

Question Paper Preview

Notations :

- 1.Options shown in green color and with ✓ icon are correct.
- 2.Options shown in red color and with ✗ icon are incorrect.

Subject Name :	Junior Engineer (Elect)
Duration :	120
Total Marks :	200
Display Marks:	Yes
Share Answer Key With Delivery Engine :	No
Actual Answer Key :	Yes
Calculator :	None
Magnifying Glass Required? :	No
Ruler Required? :	No
Eraser Required? :	No
Scratch Pad Required? :	No
Rough Sketch/Notepad Required? :	No
Protractor Required? :	No
Show Watermark on Console? :	Yes
Highlighter :	No
Auto Save on Console?	No
Change Font Color :	No
Change Background Color :	No
Change Theme :	No
Help Button :	No
Show Reports :	No
Show Progress Bar :	No

Mental Ability

Group Number :	1
Group Id :	18412223
Group Maximum Duration :	0
Group Minimum Duration :	0
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	20
Is this Group for Examiner? :	No
Examiner permission :	Cant View
Show Progress Bar? :	No

Mental Ability

Section Id :	18412231
Section Number :	1
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	20
Number of Questions to be attempted :	20
Section Marks :	20
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	18412237
Question Shuffling Allowed :	Yes

Question Number : 1 Question Id : 184122647 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

There are eight statues - A to H - placed in a circle, all facing the centre. B and G are opposite each other. D is to the second right of G and second left of B. A and D are opposite. Both B and D are neighbours of F, who is opposite to H. Which of the following statues was placed to the immediate right of A?

Options :

1. ✖ F
2. ✖ C
3. ✔ H
4. ✖ B

Question Number : 1 Question Id : 184122647 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

A से लेकर H तक आठ मूर्तियां हैं जो एक घेरे में रखी गई हैं, सभी केंद्र की ओर अभिमुख हैं। B और G एक दूसरे के सामने हैं। D, G के दाएं दूसरे स्थान पर है और B के बाएं दूसरे स्थान पर है। A और D एक-दूसरे के सामने हैं। B और D दोनों F के पड़ोस में हैं, जो कि H के सामने है। निम्नलिखित में से कौन सी मूर्ति A के ठीक दाएं पड़ोस में रखी गई है?

Options :

1. ✖ F
2. ✖ C
3. ✔ H
4. ✖ B

Question Number : 2 Question Id : 184122648 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

1,2,3,4,5,6, 7 and 8 are sitting around a square table facing the centre of the table. Some of them are sitting at the corners while some are sitting at the exact centre of the sides. 3 sits third to the right of 7. 3 sits at one of the corners. 2 sits second to the left of 1. 6 does not sit at any of the corners and he is not an immediate neighbour of 5. 8 is an immediate neighbour of 1. 8 does not sit at any of the middle of the sides. Only three people sit between 8 and 3. Who among the following was sitting to the immediate left of 2?

Options :

1. ✖ 8

2. ✖ 7

3. ✔ 3

4. ✖ 2

Question Number : 2 Question Id : 184122648 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

1,2,3,4,5,6, 7 और 8 एक वर्गाकार मेज के परितः मेज के केंद्र की ओर अभिमुख होकर बैठे हैं। उनमें से कुछ लोग कोनों पर बैठे हैं जबकि कुछ लोग कोरों के ठीक मध्य में बैठे हैं। 3, 7 के दाएं तीसरे स्थान पर बैठा है। 3 किसी एक कोने पर बैठा है। 2, 1 के बाएं दूसरे स्थान पर बैठा है। 6 किसी भी कोने पर नहीं बैठा है और वह 5 का पड़ोसी नहीं है। 8, 1 का पड़ोसी है। 8 कोरों में से किसी के भी मध्य में नहीं बैठा है। 8 और 3 के बीच केवल तीन व्यक्ति बैठे हैं। निम्नलिखित में से कौन 2 के ठीक बाएं पड़ोस में बैठा है?

Options :

1. ✖ 8

2. ✖ 7

3. ✔ 3

4. ✖ 2

Question Number : 3 Question Id : 184122649 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

1,2,3,4,5,6, 7 and 8 are sitting around a square table facing away from the table. Some of them are sitting at the corners while some are sitting at the exact centre of the sides. 5 sits third to the right of 7. 5 sits at one of the corners. 2 sits second to the left of 6. 6 does not sit at any of the corners and he is not an immediate neighbour of 5. 8 is an immediate neighbour of 1. 8 does not sit at any of the middle of the sides. Only three people sit between 8 and 3. Who among the following was sitting to the immediate right of 6?

Options :

1. ✖ 8

2. ✖ 7

3. ✔ 4

4. ✖ 2

Question Number : 3 Question Id : 184122649 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

1,2,3,4,5,6, 7 और 8 एक वर्गाकार मेज के परितः मेज के केंद्र से बाहर की ओर अभिमुख होकर बैठे हैं। उनमें से कुछ लोग कोनों पर बैठे हैं जबकि कुछ लोग कोरों के ठीक मध्य में बैठे हैं। 5, 7 के दाएं तीसरे स्थान पर बैठा है। 5 किसी एक कोने पर बैठा है। 2, 6 के बाएं दूसरे स्थान पर बैठा है। 6 किसी भी कोने पर नहीं बैठा है और वह 5 का पड़ोसी नहीं है। 8, 1 का पड़ोसी है। 8 कोरों में से किसी के भी मध्य में नहीं बैठा है। 8 और 3 के बीच केवल तीन व्यक्ति बैठे हैं। निम्नलिखित में से कौन 6 के ठीक दाएं पड़ोस में बैठा है?

Options :

1. ✖ 8

2. ✖ 7

3. ✔ 4

4. ✖ 2

Question Number : 4 Question Id : 184122650 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Arnav ranked 105th from the top and 16th from the bottom in his class. How many students are there in the class?

Options :

1. ✖ 131

2. ✔ 120

3. ✖ 129

4. ✖ 132

Question Number : 4 Question Id : 184122650 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.25

अर्णव अपनी कक्षा में ऊपर से 105वें स्थान पर है तथा नीचे से 16वें स्थान पर है। उसकी कक्षा में कितने विद्यार्थी हैं?

Options :

1. ✖ 131

2. ✔ 120

3. ✖ 129

4. ✖ 132

Question Number : 5 Question Id : 184122651 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.25

Five sacks - 1,2,3,4 and 5 - have different weights. 2 is heavier than 5 but lighter than 1. Only one sack is heavier than 4. 1 is not the heaviest. Which of them is the second lightest?

Options :

1. ✔ 2

2. ✖ 1

3. ✖ 3

4. ✖ 4

Question Number : 5 Question Id : 184122651 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

पांच बोरियों 1,2,3,4 और 5 के वजन अलग-अलग हैं। 2, 5 से भारी है लेकिन 1 से हल्की है। केवल एक बोरी 4 से भारी है। 1 सबसे भारी नहीं है। उनमें से दूसरी सबसे हल्की बोरी कौन सी है?

Options :

1. ✓ 2

2. ✗ 1

3. ✗ 3

4. ✗ 4

Question Number : 6 Question Id : 184122652 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

In a certain code language,

$A + B$ means 'A is the mother of B'.

$A - B$ means 'A is the brother of B'.

$A \times B$ means 'A is the wife of B'.

$A \div B$ means 'A is the father of B'.

Based on the above, how is P related to S if ' $P \times Q \div R - T \times S$ '?

Options :

1. ✗ Father-in-law

2. ✓ Mother-in-law

3. ✗ Brother

4. ✗ Sister

Question Number : 6 Question Id : 184122652 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.25

एक निश्चित कूट भाषा में,

$A + B$ का अर्थ है कि 'A, B की माता है'।

$A - B$ का अर्थ है कि 'A, B का भाई है'।

$A \times B$ का अर्थ है कि 'A, B की पत्नी है'।

$A \div B$ का अर्थ है कि 'A, B का पिता है'।

यदि ' $P \times Q \div R - T \times S$ ' है, तो उपरोक्त के आधार पर P का S से क्या संबंध है?

Options :

1. ✗ ससुर

2. ✓ सास

3. ✗ भाई

4. ✗ बहन

Question Number : 7 Question Id : 184122653 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

In a certain code language, if 'DESKTOP' is written as 'NURIQIB' and 'PRODUCT' is written as 'RAABUPN', then how will 'ABDOMEN' be written in that language?

Options :

1. ✖ LJKUCZE
2. ✖ LJKUBZE
3. ✔ LIKUBZE
4. ✖ LIKUCZE

Question Number : 7 Question Id : 184122653 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

एक निश्चित कूट भाषा में, यदि 'DESKTOP' को 'NURIQIB' लिखा जाता है और 'PRODUCT' को 'RAABUPN' लिखा जाता है, तो उसी कूट भाषा में 'ABDOMEN' को कैसे लिखा जाएगा?

Options :

1. ✖ LJKUCZE
2. ✖ LJKUBZE
3. ✔ LIKUBZE
4. ✖ LIKUCZE

Question Number : 8 Question Id : 184122654 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Ajay starts from his office and drives 11 km towards the North. He then takes a left turn, drives 3 km, turns left and drives 5 km and reaches his home. In which direction is he from his office?

Options :

1. ✓ North-west
2. ✗ North-east
3. ✗ South-west
4. ✗ South-east

Question Number : 8 Question Id : 184122654 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

अजय अपने ऑफिस से निकलकर 11 km उत्तर की ओर ड्राइव करता है। उसके बाद वह बाएं मुड़ता है, 3 km ड्राइव करता है, बाएं मुड़ता है और 5 km ड्राइव करके घर पहुंच जाता है। वह अपने ऑफिस से किस दिशा में है?

Options :

1. ✓ उत्तर-पश्चिम
2. ✗ उत्तर-पूर्व
3. ✗ दक्षिण-पश्चिम

4. ✖ दक्षिण-पूर्व

Question Number : 9 Question Id : 184122655 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

In a certain code language,

$A + B$ means 'A is the mother of B'.

$A - B$ means 'A is the brother of B'.

$A \times B$ means 'A is the wife of B'.

$A \div B$ means 'A is the father of B'.

Based on the above, how is 2 related to 1 if ' $2 \times 3 \div 4 - 5 \times 6 \div 1$ '?

Options :

1. ✔ Mother's mother
2. ✖ Mother's father
3. ✖ Father's mother
4. ✖ Father's father

Question Number : 9 Question Id : 184122655 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

एक निश्चित कूट भाषा में,

$A + B$ का अर्थ है कि 'A, B की माता है'।

$A - B$ का अर्थ है कि 'A, B का भाई है'।

$A \times B$ का अर्थ है कि 'A, B की पत्नी है'।

$A \div B$ का अर्थ है कि 'A, B का पिता है'।

यदि ' $2 \times 3 \div 4 - 5 \times 6 \div 1$ ' है, तो उपरोक्त के आधार पर 2 का 1 से क्या संबंध है?

Options :

1. ✓ नानी

2. ✗ नाना

3. ✗ दादी

4. ✗ दादा

Question Number : 10 Question Id : 184122656 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

In a certain code language,

$A + B$ means 'A is the wife of B'.

$A - B$ means 'A is the sister of B'.

$A \times B$ means 'A is the father of B'.

$A \div B$ means 'A is the mother of B'.

Based on the above, how is 4 related to 6's mother if ' $3 \div 4 - 2 + 1 \times 6$ '?

Options :

1. ✖ Sister
2. ✖ Mother
3. ✖ Mother-in-law
4. ✔ Aunt

Question Number : 10 Question Id : 184122656 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.25

एक निश्चित कूट भाषा में,

$A + B$ का अर्थ है कि 'A, B की पत्नी है'।

$A - B$ का अर्थ है कि 'A, B की बहन है'।

$A \times B$ का अर्थ है कि 'A, B का पिता है'।

$A \div B$ का अर्थ है कि 'A, B की माता है'।

यदि ' $3 \div 4 - 2 + 1 \times 6$ ' है, तो उपरोक्त के आधार पर, 4 का 6 की माता से क्या संबंध है?

Options :

1. ✖ बहन
2. ✖ माता
3. ✖ सास
4. ✔ चाची/मामी/बुआ/मौसी

Question Number : 11 Question Id : 184122657 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

A question is given, followed by two statements labelled (I) and (II). Identify which of the statements is/are sufficient to answer the question.

Question:

Among 5 sticks - A, B, C, D and E - each having a different height, which stick is the tallest one?

Statements:

(I) B is taller than E but shorter than D.

(II) Both A and B are shorter than D.

Options :

1. ✖ Only I is sufficient.
2. ✖ Only II is sufficient.
3. ✖ Both I and II are sufficient.
4. ✔ Neither I nor II is sufficient.

Question Number : 11 Question Id : 184122657 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.25

एक प्रश्न दिया गया है, जिसके पश्चात (I), और (II) से क्रमांकित दो कथन दिए गए हैं। बताइए कि प्रश्न का उत्तर देने के लिए कौन सा/से कथन पर्याप्त है/हैं।

प्रश्न:

5 छड़ियों A, B, C, D और E में से प्रत्येक की लंबाई अलग-अलग है। कौन सी छड़ी की लंबाई सर्वाधिक है?

कथन:

(I) B, E से लंबी है लेकिन D से छोटी है।

(II) A और B दोनों D से छोटी हैं।

Options :

1. ✖ केवल I पर्याप्त है।
2. ✖ केवल II पर्याप्त है।
3. ✖ I और II दोनों पर्याप्त हैं।
4. ✔ न तो I पर्याप्त है और न ही II पर्याप्त है।

Question Number : 12 Question Id : 184122658 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Select the option that is related to the fifth term in the same way as the second term is related to the first term and the fourth term is related to the third term.

HU 45 : FS 43 :: EL 56 : CJ 54 :: KS 67 : ?

Options :

1. ✖ JP 65
2. ✔ IQ 65
3. ✖ IT 65
4. ✖ IR 65

Question Number : 12 Question Id : 184122658 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

उस विकल्प का चयन कीजिए जिसका पांचवे पद से वही संबंध है जो दूसरे पद का पहले पद से है और चौथे पद का तीसरे पद से है।

HU 45 : FS 43 :: EL 56 : CJ 54 :: KS 67 : ?

Options :

1. ✖ JP 65
2. ✔ IQ 65
3. ✖ IT 65
4. ✖ IR 65

Question Number : 13 Question Id : 184122659 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Four words have been given, out of which three are alike in some manner and one is different. Select the one that is different.

Options :

1. ✖ Alluring
2. ✔ Drap
3. ✖ Exquisite
4. ✖ Appealing

Question Number : 13 Question Id : 184122659 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

चार शब्द दिए गए हैं, जिनमें से तीन किसी न किसी तरह से एकसमान हैं, और एक उनसे असंगत है। उस असंगत शब्द का चयन कीजिए।

Options :

1. ✖ आकर्षक
2. ✔ ड्रेप
3. ✖ उत्तम
4. ✖ अच्छा लगना

Question Number : 14 Question Id : 184122660 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All the apricots are grapes.

All the grapes are berries.

Conclusions:

(I) All the apricots are berries.

(II) Some grapes are apricots.

Options :

1. ✖ Only conclusion I follows
2. ✖ Only conclusion II follows
3. ✔ Both conclusions I and II follow
4. ✖ Neither I nor II follows

Question Number : 14 Question Id : 184122660 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.25

दिए गए कथनों और निष्कर्षों को सावधानीपूर्वक पढ़ें। कथन में दी गई सूचना को सही मानते हुए, चाहे यह सामान्यतः ज्ञात तथ्यों से असंगत प्रतीत होती हो, यह निर्धारित कीजिए कि दिए गए निष्कर्षों में से कौन सा/से निष्कर्ष कथनों का तार्किक रूप से अनुसरण करता है/करते हैं।

कथन:

सभी खुबानी, अंगूर हैं।

सभी अंगूर, बेरी हैं।

निष्कर्ष:

(I) सभी खुबानी, बेरी हैं।

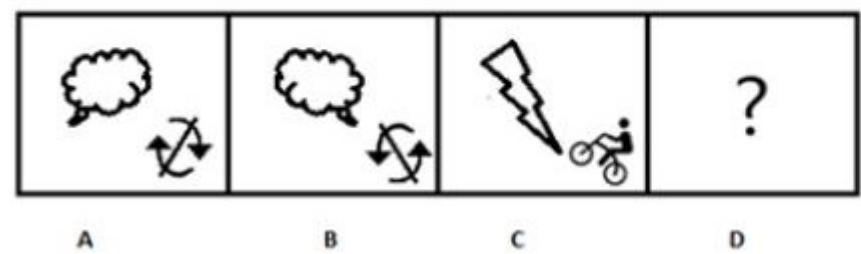
(II) कुछ अंगूर, खुबानी हैं।

Options :

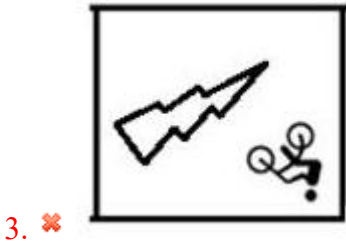
1. ✖ केवल निष्कर्ष I अनुसरण करता है
2. ✖ केवल निष्कर्ष II अनुसरण करता है
3. ✔ निष्कर्ष I और II दोनों अनुसरण करते हैं
4. ✖ न तो निष्कर्ष I और न ही II अनुसरण करता है

Question Number : 15 Question Id : 184122661 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.25

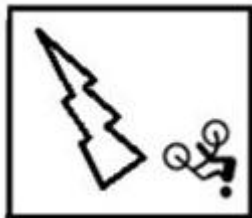
Select the option that is related to figure C in the same way as figure B is related to figure A.



Options :

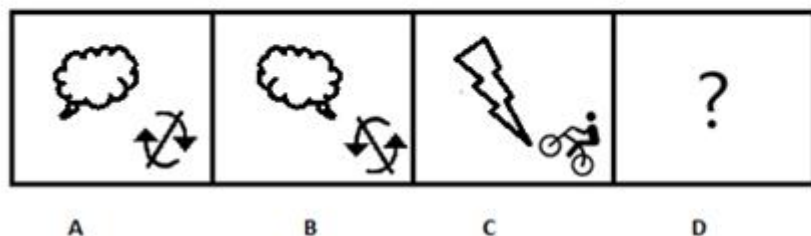


4. ✖



Question Number : 15 Question Id : 184122661 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

उस आकृति का चयन कीजिए जो आकृति C से उसी तरह संबंधित है, जिस तरह आकृति B आकृति A से संबंधित है।



Options :

1. ✖



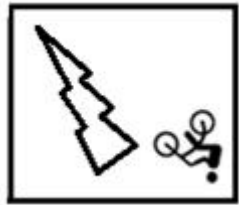
2. ✔



3. ✖



4. ✖



Question Number : 16 Question Id : 184122662 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

Select the correct mirror image of the given number when the mirror is placed at the right side.

73294

Options :

1. ✖

40287

2. ✔

40287

3. ✖

40237

4. ✖

49287

Question Number : 16 Question Id : 184122662 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

यदि दर्पण को दी गई संख्या के दाईं ओर रखा जाए, तो शब्द का दर्पण में निर्मित सही प्रतिबिंब चयनित कीजिए।

73294

Options :

1. ✖ 40287

2. ✔ 40587

3. ✖ 40237

4. ✖ 49287

Question Number : 17 Question Id : 184122663 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Select the number from among the given options that can replace the question mark (?) in the following series.

37, 111, 114, 342, 348, 1044, ?

Options :

1. ✖ 1055

2. ✔ 1053

3. ✖ 1341

4. ✖ 1056

Question Number : 17 Question Id : 184122663 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

दिए गए विकल्पों में से उस संख्या का चयन कीजिए जो निम्न श्रेणी में प्रश्नवाचक चिह्न (?) के स्थान पर आ सकती है।

37, 111, 114, 342, 348, 1044, ?

Options :

1. ✖ 1055

2. ✔ 1053

3. ✖ 1341

4. ✖ 1056

Question Number : 18 Question Id : 184122664 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Select the option that is related to the fifth number in the same way as the second number is related to the first number and the fourth number is related to the third number.

12756 : 21 :: 35612 : 17 :: 411721 : ?

Options :

1. ✔ 16

2. ✖ 14

3. ✖ 15

4. ✖ 18

Question Number : 18 Question Id : 184122664 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

उस संख्या का चयन कीजिए जो पांचवी संख्या से उसी तरह से संबंधित है जिस तरह से दूसरी संख्या पहली संख्या से संबंधित है और चौथी संख्या तीसरी संख्या से संबंधित है।

12756 : 21 :: 35612 : 17 :: 411721 : ?

Options :

1. ✔ 16

2. ✖ 14

3. ✖ 15

4. ✖ 18

Question Number : 19 Question Id : 184122665 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

Solve the following equation.

$$\{13.98 - (15.05 - 3.65 \div 1.99 \times 2.02)\} = ?$$

Options :

1. ✖ 2

2. ✔ 3

3. ✖ 4

4. ✖ 6

Question Number : 19 Question Id : 184122665 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

निम्न समीकरण का मान ज्ञात कीजिए।

$$\{13.98 - (15.05 - 3.65 \div 1.99 \times 2.02)\} = ?$$

Options :

1. ✖ 2

2. ✔ 3

3. ✖ 4

4. ✖ 6

Question Number : 20 Question Id : 184122666 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Solve the following equation.

$$45.28 - [37.94 - \{60.45 \div 2.76 - (6.21 - 9.02 \div 3.05) \div 2.9\}] = ?$$

Options :

1. ✖ 45

2. ✖ 35

3. ✔ 26

4. ✖ 36

Question Number : 20 Question Id : 184122666 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

निम्न समीकरण का मान ज्ञात कीजिए।

$$45.28 - [37.94 - \{60.45 \div 2.76 - (6.21 - 9.02 \div 3.05) \div 2.9\}] = ?$$

Options :

1. ✖ 45

2. ✖ 35

3. ✔ 26

4. ✖ 36

General Awareness

Group Number :	2
Group Id :	18412224
Group Maximum Duration :	0
Group Minimum Duration :	0
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	20
Is this Group for Examiner? :	No
Examiner permission :	Cant View
Show Progress Bar? :	No

General Awareness

Section Id :	18412232
Section Number :	1
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	20
Number of Questions to be attempted :	20
Section Marks :	20
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	18412238
Question Shuffling Allowed :	Yes

Question Number : 21 Question Id : 184122667 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

The Bhadla Solar Park has become the world's largest solar park, with 2,245 MW of solar projects commissioned. Where is this park located?

Options :

1. ✖ Tamil Nadu
2. ✖ Maharashtra
3. ✔ Rajasthan
4. ✖ Telangana

Question Number : 21 Question Id : 184122667 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

भड़ला सोलर पार्क 2,245 MW की सौर परियोजनाओं के शुरू होने के साथ ही दुनिया का सबसे बड़ा सोलर पार्क बन गया है। यह पार्क कहाँ स्थित है?

Options :

1. ✖ तमिलनाडु
2. ✖ महाराष्ट्र
3. ✔ राजस्थान
4. ✖ तेलंगाना

Question Number : 22 Question Id : 184122668 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

World Population Day is observed on:

Options :

1. ✖ 11th August
2. ✖ 11th September
3. ✖ 11th October
4. ✔ 11th July

Question Number : 22 Question Id : 184122668 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

विश्व जनसंख्या दिवस _____ को मनाया जाता है।

Options :

1. ✖ 11 अगस्त

2. ✖ 11 सितम्बर
3. ✖ 11 अक्टूबर
4. ✔ 11 जुलाई

Question Number : 23 Question Id : 184122669 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

The Indian Olympic Association is the governing body for the Olympics and what other games in which India participates?

Options :

1. ✔ Commonwealth Games
2. ✖ Asian Games
3. ✖ Afro-Asian Games
4. ✖ Australian Open

Question Number : 23 Question Id : 184122669 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

भारतीय ओलंपिक संघ ओलंपिक के लिए शासी निकाय है, इसके अलावा यह भारत की भागीदारी वाले किस अन्य खेल के लिए शासी निकाय है?

Options :

1. ✔ कॉमनवेल्थ खेल
2. ✖ एशियाई खेल
3. ✖ अफ्रो-एशियाई खेल
4. ✖ ऑस्ट्रेलियन ओपन

Question Number : 24 Question Id : 184122670 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

According to the rules and regulations of BCCI (Board of Control. for Cricket in India), who among the following is **NOT** a match official?

Options :

1. ✖ Umpire
2. ✖ Scorer

3. ✖ Referee
4. ✔ Team captain

Question Number : 24 Question Id : 184122670 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

बी.सी.सी.आई (BCCI- भारतीय क्रिकेट कंट्रोल बोर्ड) के नियमों और विनियमों के अनुसार, निम्नलिखित में से कौन सा एक मैच अधिकारी **नहीं** है?

Options :

1. ✖ अंपायर
2. ✖ स्कोरर
3. ✖ रेफरी
4. ✔ टीम का कप्तान

Question Number : 25 Question Id : 184122671 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

During whose term was the Rowlatt Act passed in the year 1919?

Options :

1. ✖ Lord Irwin
2. ✔ Lord Chelmsford
3. ✖ Lord Linlithgow
4. ✖ Lord Wavell

Question Number : 25 Question Id : 184122671 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

1919 में रॉलेट अधिनियम किसके कार्यकाल में पारित हुआ था?

Options :

1. ✖ लॉर्ड इरविन
2. ✔ लॉर्ड चेम्सफोर्ड
3. ✖ लॉर्ड लिनलिथगो

4. ✖ लॉर्ड वेवेल

Question Number : 26 Question Id : 184122672 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

In which year did the Cripps Mission arrive in India?

Options :

- 1. ✔ 1942
- 2. ✖ 1932
- 3. ✖ 1922
- 4. ✖ 1939

Question Number : 26 Question Id : 184122672 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

भारत में क्रिप्स मिशन किस वर्ष में आया था?

Options :

- 1. ✔ 1942
- 2. ✖ 1932
- 3. ✖ 1922
- 4. ✖ 1939

Question Number : 27 Question Id : 184122673 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Buddhist Architecture is primarily represented by three prominent building types of which Chaitya Hall is used as a:

Options :

- 1. ✔ place of worship
- 2. ✖ monastery
- 3. ✖ court
- 4. ✖ music room

Question Number : 27 Question Id : 184122673 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

बौद्ध वास्तुकला का मुख्य रूप से तीन प्रमुख प्रकार के भवनों द्वारा प्रतिनिधित्व किया जाता है, जिनमें से चैत्य हॉल का उपयोग एक _____ के रूप में किया जाता था।

Options :

1. ☒ पूजा करने का स्थान
2. ☐ बौद्ध मठ
3. ☐ कोर्ट
4. ☐ संगीत कक्ष

Question Number : 28 Question Id : 184122674 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

In which year was Mohenjo-Daro city proclaimed a World Heritage Site by UNESCO?

Options :

1. ☐ 1965
2. ☐ 1975
3. ☒ 1980
4. ☐ 1990

Question Number : 28 Question Id : 184122674 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

मोहनजोदड़ो शहर को यूनेस्को (UNESCO) के द्वारा कौन से वर्ष में एक विश्व धरोहर स्थल घोषित किया गया था?

Options :

1. ☐ 1965
2. ☐ 1975
3. ☒ 1980
4. ☐ 1990

Question Number : 29 Question Id : 184122675 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Pandit Birju Maharaj who choreographed the famous song 'Kahe Chhed Mohe' from the movie Devdas and 'Mohe Rang Do Laal' from Bajirao Mastani is an exponent of which classical dance?

Options :

1. ✖ Odissi
2. ✔ Kathak
3. ✖ Bharatanatyam
4. ✖ Kuchipudi

Question Number : 29 Question Id : 184122675 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

पंडित बिरजू महाराज जिन्होंने देवदास फिल्म के प्रसिद्ध गीत 'काहे छेड़े मोहे' और बाजीराव मस्तानी के 'मोहे रंग दो लाल' को कोरियोग्राफ किया, वह किस शास्त्रीय नृत्य के प्रतिपादक हैं?

Options :

1. ✖ ओडिसी
2. ✔ कथक
3. ✖ भरतनाट्यम
4. ✖ कुचिपुड़ी

Question Number : 30 Question Id : 184122676 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Approximately how many classical taals, or cycles of rhythms are there in classical Carnatic music?

Options :

1. ✔ 108
2. ✖ 98
3. ✖ 88
4. ✖ 78

Question Number : 30 Question Id : 184122676 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

शास्त्रीय कर्नाटक संगीत में लगभग कितने शास्त्रीय ताल, या ताल के चक्र (लयात्मक चक्र) होते हैं?

Options :

1. ✓ 108
2. ✗ 98
3. ✗ 88
4. ✗ 78

Question Number : 31 Question Id : 184122677 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

The Sarvodaya Five-Year plan which was inspired by Gandhian ideals was drafted by:

Options :

1. ✗ Sardar Vallabhbhai Patel
2. ✓ Jai Prakash Narayan
3. ✗ Maulana Abul Kalam
4. ✗ Gopal Krishna Gokhale

Question Number : 31 Question Id : 184122677 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

गांधीवादी आदर्शों से प्रेरित सर्वोदय पंचवर्षीय योजना का मसौदा किसके द्वारा तैयार किया गया था:

Options :

1. ✗ सरदार वल्लभभाई पटेल
2. ✓ जय प्रकाश नारायण
3. ✗ मौलाना अबुल कलाम
4. ✗ गोपाल कृष्ण गोखले

Question Number : 32 Question Id : 184122678 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Who presented the first (provisional) budget of independent India on 26 November 1947?

Options :

1. ✓ **Shanmukham Chetty**
2. ✗ **Jawaharlal Nehru**
3. ✗ **Kailash Nath Katju**
4. ✗ **Sardar Vallabhbhai Patel**

Question Number : 32 Question Id : 184122678 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

26 नवंबर 1947 को स्वतंत्र भारत के पहले बजट (अनंतिम) को किसने पेश किया था?

Options :

1. ✓ **शनमुखम चेट्टी**
2. ✗ **जवाहर लाल नेहरू**
3. ✗ **कैलाश नाथ काटजू**
4. ✗ **सरदार वल्लभभाई पटेल**

Question Number : 33 Question Id : 184122679 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Which of the following countries has the best rank in UNDP Human Development Index Report 2020?

Options :

1. ✓ **India**
2. ✗ **Bangladesh**
3. ✗ **Pakistan**
4. ✗ **Afghanistan**

Question Number : 33 Question Id : 184122679 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित में से किस देश की यू.एन.डी.पी (UNDP) मानव विकास सूचकांक रिपोर्ट 2020 में सर्वश्रेष्ठ रैंक है?

Options :

1. ✓ भारत
2. ✗ बांग्लादेश
3. ✗ पाकिस्तान
4. ✗ अफ़ग़ानिस्तान

Question Number : 34 Question Id : 184122680 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

What is the name of the outermost range of the Himalayas?

Options :

1. ✗ Purvanchal
2. ✗ Duns
3. ✓ Shiwaliks
4. ✗ Kumoan

Question Number : 34 Question Id : 184122680 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

हिमालय की सबसे बाहरी रेंज (श्रेणी) का नाम क्या है?

Options :

1. ✗ पूर्वांचल
2. ✗ दून
3. ✓ शिवालिक
4. ✗ कुमाऊँ

Question Number : 35 Question Id : 184122681 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

The south-eastern part of which state lies in the Malwa plateau?

Options :

1. ✓ Rajasthan
2. ✗ West Bengal
3. ✗ Odisha
4. ✗ Bihar

Question Number : 35 Question Id : 184122681 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

इनमें से किस राज्य का दक्षिण-पूर्वी भाग मालवा पठार में स्थित है?

Options :

1. ✓ राजस्थान
2. ✗ पश्चिम बंगाल
3. ✗ ओड़िशा
4. ✗ बिहार

Question Number : 36 Question Id : 184122682 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

According to the report (2011) of Ministry of Housing and Urban affairs, which state in India is the most urbanised with 62.2 per cent urban population?

Options :

1. ✗ Punjab
2. ✗ Uttar Pradesh
3. ✗ Andhra Pradesh
4. ✓ Goa

Question Number : 36 Question Id : 184122682 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

आवासन और शहरी कार्य मंत्रालय की रिपोर्ट (2011) के अनुसार, भारत में कौन सा राज्य 62.2 प्रतिशत शहरी आबादी के साथ सबसे अधिक शहरीकृत है?

Options :

1. ✗ पंजाब

2. ✖ उत्तर प्रदेश
3. ✖ आंध्र प्रदेश
4. ✔ गोवा

Question Number : 37 Question Id : 184122683 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Which of the following organisations is responsible for formulating and implementing the Foreign Trade Policy with the main objective of promoting India's exports?

Options :

1. ✔ Directorate General of Foreign Trade (DGFT)
2. ✖ EXIM Bank
3. ✖ Reserve Bank of India
4. ✖ Ministry of Finance

Question Number : 37 Question Id : 184122683 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित संगठनों में से कौन, भारत के निर्यात को बढ़ावा देने के मुख्य उद्देश्य के साथ विदेश व्यापार नीति तैयार करने और लागू करने के लिए जिम्मेदार है?

Options :

1. ✔ डायरेक्टरेट जनरल ऑफ़ फॉरेन ट्रेड (डी.जी.एफ.टी.-DGFT)
2. ✖ एक्जिम (EXIM) बैंक
3. ✖ भारतीय रिज़र्व बैंक
4. ✖ वित्त मंत्रालय

Question Number : 38 Question Id : 184122684 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

According to which theory or law can no object with mass travel as fast as the speed of light in an empty space (in vacuum)?

Options :

1. ✔ Theory of relativity

2. ✖ Corpuscular theory of light
3. ✖ Henry's law
4. ✖ Dalton's law

Question Number : 38 Question Id : 184122684 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

किस सिद्धांत या नियम के अनुसार द्रव्यमान वाली कोई भी वस्तु किसी खाली जगह (निर्वात में) में प्रकाश की गति जितनी तेज गति से यात्रा नहीं कर सकती है?

Options :

1. ✔ सापेक्षता का सिद्धांत
2. ✖ प्रकाश का कणिका सिद्धांत
3. ✖ हेनरी का नियम
4. ✖ डॉल्टन का नियम

Question Number : 39 Question Id : 184122685 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Which of the following is NOT one of the fundamental duties of Indian citizens as per the Indian Constitution?

Options :

1. ✖ To cherish and follow the noble ideals which inspired our national struggle for freedom.
2. ✖ To uphold and protect the sovereignty, unity, and integrity of India.
3. ✔ To follow all religious norms under all circumstances.
4. ✖ To value and preserve the rich heritage of our composite culture.

Question Number : 39 Question Id : 184122685 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित में से कौन सा भारतीय संविधान के अनुसार भारतीय नागरिकों के मौलिक कर्तव्यों में से एक नहीं है?

Options :

1. ✖ स्वतंत्रता के लिए हमारे राष्ट्रीय संघर्ष को प्रेरित करने वाले महान आदर्शों को संजोना और उनका पालन करना।
2. ✖ भारत की संप्रभुता, एकता और अखंडता को बनाए रखने और उसकी रक्षा करने के लिए।

3. ✓ सभी परिस्थितियों में सभी धार्मिक मानदंडों का पालन करना।
4. ✖ हमारी मिश्रित संस्कृति की समृद्ध विरासत को महत्व देना और संरक्षित करना।

Question Number : 40 Question Id : 184122686 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Which of the following is NOT included under right to freedom as per the Indian Constitution?

Options :

1. ✓ To promote the religion of one's choice.
2. ✖ Formation of associations or unions.
3. ✖ Freedom of speech and expression.
4. ✖ Move freely throughout the territory of India.

Question Number : 40 Question Id : 184122686 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित में से कौन सा एक भारतीय संविधान के अनुसार स्वतंत्रता के अधिकार के अंतर्गत शामिल नहीं है?

Options :

1. ✓ अपनी पसंद के धर्म का प्रचार करना।
2. ✖ समिति और संघों का गठन।
3. ✖ भाषण और अभिव्यक्ति की स्वतंत्रता।
4. ✖ भारत के सम्पूर्ण क्षेत्र में मुक्त रूप से घूमना।

Arithmetic Ability

Group Number :	3
Group Id :	18412225
Group Maximum Duration :	0
Group Minimum Duration :	0
Show Attended Group? :	No
Edit Attended Group? :	No

Break time :	0
Group Marks :	20
Is this Group for Examiner? :	No
Examiner permission :	Cant View
Show Progress Bar? :	No

Arithmetic Ability

Section Id :	18412233
Section Number :	1
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	20
Number of Questions to be attempted :	20
Section Marks :	20
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	18412239
Question Shuffling Allowed :	Yes

Question Number : 41 Question Id : 184122687 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

What is the value of $\frac{1.0\overline{5} \div 0.9\overline{5} \times 0.4\overline{09}}{(0.2\overline{9} \div 0.3\overline{2}) \div 0.1\overline{5}}$?

Options :

1. ✖ $\frac{9}{20}$

2. ✖ $\frac{3}{4}$

3. ✖ $\frac{4}{15}$

4. ✔ $\frac{3}{40}$

Question Number : 41 Question Id : 184122687 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

$\frac{1.0\overline{5} \div 0.9\overline{5} \times 0.4\overline{09}}{(0.2\overline{9} \div 0.3\overline{2}) \div 0.1\overline{5}}$ का मान कितना होगा?

Options :

1. ✖ $\frac{9}{20}$

2. ✖ $\frac{3}{4}$

3. ✖ $\frac{4}{15}$

4. ✔ $\frac{3}{40}$

Question Number : 42 Question Id : 184122688 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

The HCF and LCM of two numbers are 45 and 540, respectively. If one of the numbers lies between 125 and 140, then the other number is _____.

Options :

- 1. ✖ 135
- 2. ✔ 180
- 3. ✖ 225
- 4. ✖ 270

Question Number : 42 Question Id : 184122688 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

दो संख्याओं का महत्तम समापवर्तक (HCF) और लघुत्तम समापवर्त्य (LCM) क्रमशः 45 और 540 हैं। यदि इन दोनों में से एक संख्या 125 और 140 के बीच है, तो दूसरी संख्या _____ होगी।

Options :

- 1. ✖ 135
- 2. ✔ 180
- 3. ✖ 225
- 4. ✖ 270

Question Number : 43 Question Id : 184122689 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

In a class, there are 72 students out of which 75% of the students are girls and the rest are boys. In an examination, the average score of the boys is 50% more than that of the girls. If the average score of all the students is 63, then what is the average score of the girls?

Options :

- 1. ✖ 54
- 2. ✔ 56
- 3. ✖ 60
- 4. ✖ 52

Question Number : 43 Question Id : 184122689 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

एक कक्षा में, 72 छात्र हैं जिसमें से 75% छात्र लड़कियां और शेष लड़के हैं। एक परीक्षा में, लड़कों के औसत प्राप्तांक लड़कियों से 50% अधिक हैं। यदि सभी छात्रों के औसत प्राप्तांक 63 हो, तो लड़कियों के औसत प्राप्तांक कितने होंगे?

Options :

- 1. ✖ 54
- 2. ✔ 56
- 3. ✖ 60
- 4. ✖ 52

Question Number : 44 Question Id : 184122690 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

The average age of A, B and C 6 years ago was 30 years. The average age of A and C 2 years ago was 31.5 years. What is the present age (in years) of B?

Options :

1. ✖ 31

2. ✖ 36

3. ✔ 41

4. ✖ 43

Question Number : 44 Question Id : 184122690 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

6 वर्ष पूर्व A, B और C की औसत आयु 30 वर्ष थी। 2 वर्ष पूर्व A और C की औसत आयु 31.5 वर्ष थी। B की वर्तमान आयु (वर्षों में) कितनी होगी?

Options :

1. ✖ 31

2. ✖ 36

3. ✔ 41

4. ✖ 43

Question Number : 45 Question Id : 184122691 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Surya travels from point A to B and then from point B to C at 50 km/h and 60 km/h, respectively. He then returns to point A at 'x' km/h. The distances between A to B and B to C are in the ratio of 1 : 2. If his average speed for the entire journey is 50 km/h, then what is the value of 'x'?

Options :

1. ✓ 45

2. ✗ 42

3. ✗ 40

4. ✗ 36

Question Number : 45 Question Id : 184122691 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

सूर्य, बिंदु A से B तक और उसके बाद बिंदु B से C तक क्रमशः 50 km/h और 60 km/h की चाल से जाता है। उसके बाद वह 'x' km/h की चाल से बिंदु A तक वापस जाता है। A से B और B से C तक की दूरी का अनुपात 1: 2 है। यदि पूरी यात्रा में उसकी औसत चाल 50 km/h हो, तो 'x' का मान कितना होगा?

Options :

1. ✓ 45

2. ✗ 42

3. ✗ 40

4. ✗ 36

Question Number : 46 Question Id : 184122692 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

In an examination, out of the total number of students who appeared, 48% are boys and the rest are girls. If 45% of the boys failed and 60% of the girls passed, then what is the percentage of the students who failed?

Options :

- 1. ✖ 41.8%
- 2. ✖ 42%
- 3. ✔ 42.4%
- 4. ✖ 44%

Question Number : 46 Question Id : 184122692 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

एक परीक्षा में, शामिल होने वाले कुल छात्रों में से, 48% लड़के और शेष लड़कियां हैं। यदि 45% लड़के अनुत्तीर्ण हुए और 60% लड़कियां उत्तीर्ण हुईं, तो अनुत्तीर्ण होने वाले छात्रों का प्रतिशत कितना होगा?

Options :

- 1. ✖ 41.8%
- 2. ✖ 42%
- 3. ✔ 42.4%
- 4. ✖ 44%

Question Number : 47 Question Id : 184122693 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Sujatha bought a washing machine for ₹9,600 and spent ₹400 on its shipping. She sold it at 18.5% profit. From the money which she got now, she bought another washing machine and sold it at 10% loss. What is her overall loss/profit percentage?

Options :

1. ✖ Profit, 6.9%
2. ✖ Loss, 6.9%
3. ✔ Profit, 6.65%
4. ✖ Loss, 8.65%

Question Number : 47 Question Id : 184122693 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

सुजाता ने ₹9,600 में एक वाशिंग मशीन खरीदी और इसके परिवहन पर ₹400 व्यय किए। उसने इसे 18.5% लाभ पर बेचा। प्राप्त धन से, उसने एक अन्य वाशिंग मशीन खरीदी और उसे 10% हानि पर बेचा। उसका कुल लाभ/हानि का प्रतिशत कितना होगा?

Options :

1. ✖ लाभ, 6.9%
2. ✖ हानि, 6.9%
3. ✔ लाभ, 6.65%

4. ✖ हानि, 8.65%

Question Number : 48 Question Id : 184122694 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

A laptop is sold for ₹28,512 after three successive discounts of 10%, 12% and 25% on its marked price. If it is sold at a single discount of 57%, then what will be its selling price?

Options :

1. ✖ ₹25,860

2. ✖ ₹25,680

3. ✖ ₹22,460

4. ✔ ₹20,640

Question Number : 48 Question Id : 184122694 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

एक लैपटॉप को इसके अंकित मूल्य पर 10%, 12% और 25% की तीन क्रमागत छूट देकर ₹28,512 में बेचा जाता है। यदि इसे 57% की एकल छूट पर बेचा जाए, तो इसका विक्रय मूल्य कितना होगा?

Options :

1. ✖ ₹25,860

2. ✖ ₹25,680

3. ✖ ₹22,460

4. ✔ ₹20,640

Question Number : 49 Question Id : 184122695 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

The ages (in years) of A and B six years ago, was in the ratio 7 : 8. The ratio of their present ages is 9 : 10. What will be the ratio of ages of A and B three years from now?

Options :

1. ✖ 3 : 4

2. ✖ 8 : 9

3. ✔ 10 : 11

4. ✖ 11 : 12

Question Number : 49 Question Id : 184122695 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

छः वर्ष पूर्व A और B की आयु (वर्षों में) का अनुपात 7 : 8 था। उनकी वर्तमान आयु का अनुपात 9 : 10 है। आज से तीन वर्षों के पश्चात A और B की आयु का अनुपात कितना होगा?

Options :

1. ✖ 3 : 4

2. ✖ 8 : 9

3. ✓ 10 : 11

4. ✗ 11 : 12

Question Number : 50 Question Id : 184122696 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

A varies directly as $\sqrt{B}$. When $B = 9$, $A = 5$. When $A = 4.5$, then $B = \underline{\hspace{2cm}}$.

Options :

1. ✗ 6.25

2. ✓ 7.29

3. ✗ 4.84

4. ✗ 5.76

Question Number : 50 Question Id : 184122696 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

A, $\sqrt{B}$ के समानुपाती विचरित होता है। $B = 9$ होने पर, $A = 5$. $A = 4.5$ होने पर, $B = \underline{\hspace{2cm}}$ होगा।

Options :

1. ✗ 6.25

2. ✓ 7.29

3. ✗ 4.84

4. ✖ 5.76

Question Number : 51 Question Id : 184122697 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.25

The simple interest on a certain sum for $4\frac{4}{5}$ years at 10.5% p.a. is ₹ 6,249.60. What will be the simple interest on the same sum for $7\frac{1}{2}$ years at the same rate of interest?

Options :

1. ✖ ₹9,114

2. ✖ ₹9,575

3. ✔ ₹9,765

4. ✖ ₹9,785

Question Number : 51 Question Id : 184122697 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.25

एक निश्चित धनराशि पर $4\frac{4}{5}$ वर्ष के लिए 10.5% वार्षिक दर से साधारण ब्याज ₹6,249.60 है। उसी धनराशि पर समान ब्याज दर पर $7\frac{1}{2}$ वर्ष में साधारण ब्याज कितना हो जाएगा?

Options :

1. ✖ ₹9,114

2. ✖ ₹9,575

3. ✔ ₹9,765

4. ✖ ₹9,785

Question Number : 52 Question Id : 184122698 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

What is the compound interest (in ₹) on a sum of ₹1,20,000 for $2\frac{3}{5}$ years at 10% p. a., interest compounded annually?

Options :

1. ✖ 39,720

2. ✖ 35,270

3. ✔ 33,912

4. ✖ 32,921

Question Number : 52 Question Id : 184122698 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

₹1,20,000 की धनराशि पर $2\frac{3}{5}$ वर्ष में 10% वार्षिक दर से चक्रवृद्धि ब्याज (₹ में) कितना होगा, यदि ब्याज वार्षिक रूप से चक्रवृद्धि किया जाता है?

Options :

1. ✖ 39,720

2. ✖ 35,270

3. ✔ 33,912

4. ✖ 32,921

Question Number : 53 Question Id : 184122699 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

A man travels $33\frac{1}{3}\%$ of the total distance at 15 km/h, the next 25% of the total distance at 18 km/h and the remaining at a speed of 'y' km/h. If his average speed for the whole journey is 20 km/h, then what is the value of 'y'?

Options :

1. ✖ 25 km/h

2. ✔ 30 km/h

3. ✖ 35 km/h

4. ✖ 40 km/h

Question Number : 53 Question Id : 184122699 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

एक व्यक्ति कुल दूरी की $33\frac{1}{3}\%$ यात्रा 15 km/h की चाल से, कुल दूरी का अगला 25% 18 km/h और शेष 'y' km/h की चाल से तय करता है। यदि पूरी यात्रा के दौरान उसकी औसत चाल 20 km/h रही, तो 'y' का मान कितना होगा?

Options :

1. ✖ 25 km/h
2. ✔ 30 km/h
3. ✖ 35 km/h
4. ✖ 40 km/h

Question Number : 54 Question Id : 184122700 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.25

What is the angle (in degrees) between the minute hand and the hour hand of a clock when the time is 22 minutes past 5 o'clock?

Options :

1. ✔ 29
2. ✖ 28
3. ✖ 27
4. ✖ 30

Question Number : 54 Question Id : 184122700 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.25

5 बजकर 22 मिनट पर घड़ी की मिनट वाली सुई और घंटे वाली सुई के बीच कितना कोण (अंश में) होगा?

Options :

1. ✓ 29

2. ✗ 28

3. ✗ 27

4. ✗ 30

Question Number : 55 Question Id : 184122701 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

A and B together can complete a certain work in 40 days, whereas B and C together can complete it in 60 days. A, B and C together can complete the same work in 30 days. B alone can complete one-third of the same work in

_____.

Options :

1. ✗ 42 days

2. ✗ 45 days

3. ✓ 40 days

4. ✗ 36 days

Question Number : 55 Question Id : 184122701 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

A और B मिलकर एक निश्चित कार्य को 40 दिनों में पूर्ण कर सकते हैं, जबकि B और C मिलकर उसे 60 दिनों में पूर्ण कर सकते हैं। A, B और C मिलकर उसी कार्य को 30 दिनों में पूर्ण कर सकते हैं। केवल B उसी कार्य का एक-तिहाई भाग _____ में पूर्ण कर सकता है।

Options :

1. ✖ 42 दिन
2. ✖ 45 दिन
3. ✔ 40 दिन
4. ✖ 36 दिन

Question Number : 56 Question Id : 184122702 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Study the given table and answer the questions that follow.

The table shows the sale of vehicles (cars and two-wheelers) during 2016 to 2020 (in thousands).

Year Vehicles	2016	2017	2018	2019	2020
Cars	480	500	475	600	550
Scooters	300	400	360	380	450
Motorcycles	280	320	275	345	420

The average number of scooters (per year) sold in 2016, 2017 and 2019 is what per cent of the total number of cars sold in 2017 and 2020? (Correct to one decimal place.)

Options :

1. ✖ 32.8%

2. ✖ 33.3%

3. ✔ 34.3%

4. ✖ 35.2%

Question Number : 56 Question Id : 184122702 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

निम्नांकित तालिका का अध्ययन कीजिए, और उसके पश्चात दिए गए प्रश्न का उत्तर दीजिए।
तालिका में 2016 से 2020 के बीच वाहनों (कारें और दुपहिया) की बिक्री (हजार में) प्रदर्शित की गई है।

वर्ष वाहन	2016	2017	2018	2019	2020
कारें	480	500	475	600	550
स्कूटर	300	400	360	380	450
मोटरसाइकिल	280	320	275	345	420

2016, 2017 और 2019 में (प्रति वर्ष) बेचे गए स्कूटरों की औसत संख्या 2017 और 2020 में बेची गई कारों की कुल संख्या का कितना प्रतिशत है? (एक दशमलव स्थान तक पूर्णांकित)

Options :

1. ✖ 32.8%

2. ✖ 33.3%

3. ✔ 34.3%

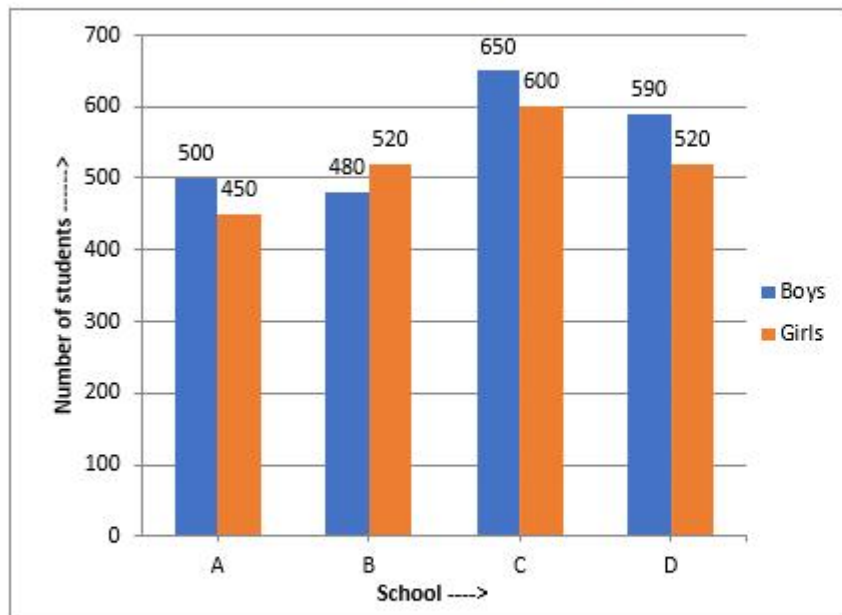
4. ✖ 35.2%

Question Number : 57 Question Id : 184122703 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Study the given graph and answer the questions that follow.

The graph shows the number of students (boys and girls) in four different schools as of 1 July 2020.



What is the difference between the average number of boys in schools B and D and the average number of girls in schools A and C?

Options :

1. ✖ 8

2. ✔ 10

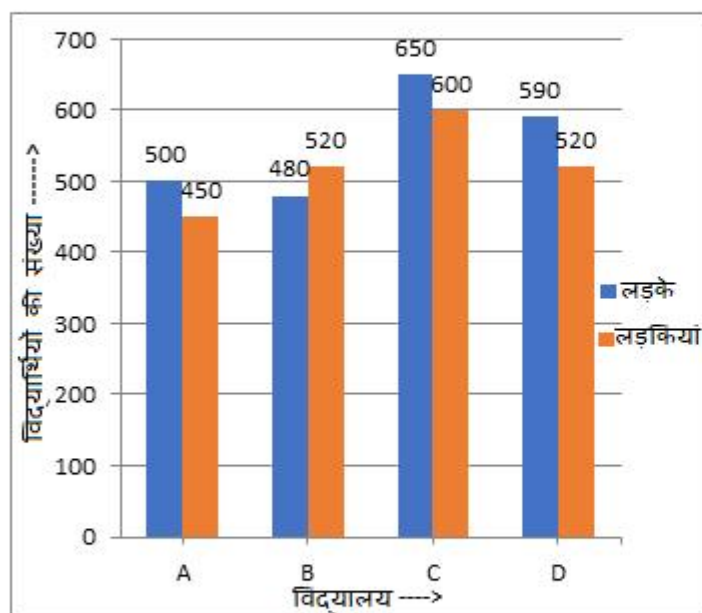
3. ✖ 12

4. ✖ 15

Question Number : 57 Question Id : 184122703 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.25

निम्नांकित आलेख का अध्ययन कीजिए, और उसके पश्चात दिए गए प्रश्न का उत्तर दीजिए।

1 जुलाई 2020 तक के अनुसार चार विभिन्न विद्यालयों में विद्यार्थियों (लड़कों और लड़कियों) की संख्या प्रदर्शित की गई है।



विद्यालयों B और D में लड़कों की औसत संख्या और विद्यालयों A और C में लड़कियों की औसत संख्या का अंतर क्या होगा?

Options :

1. ✖ 8

2. ✔ 10

3. ✖ 12

4. ✖ 15

Question Number : 58 Question Id : 184122704 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

The sides of a triangular field are 48 m, 55 m and 73 m. What is the cost of levelling the field at ₹10.50 per m^2 ?

Options :

1. ✖ ₹13,230

2. ✔ ₹13,860

3. ✖ ₹14,240

4. ✖ ₹15,120

Question Number : 58 Question Id : 184122704 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

एक त्रिभुजाकार खेत की भुजाएं 48 m, 55 m और 73 m हैं। ₹10.50 प्रति m^2 की दर से खेत के समतलीकरण का व्यय कितना होगा?

Options :

1. ✖ ₹13,230

2. ✔ ₹13,860

3. ✖ ₹14,240

4. ✖ ₹15,120

Question Number : 59 Question Id : 184122705 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

The perimeter of a circular park is twice the perimeter of a rectangular garden. The area of the circular park is $5,544 \text{ m}^2$.

If the breadth of the rectangular garden is 26 m, then what is the area (in m^2) of the rectangular garden? (Take $\pi = \frac{22}{7}$)

Options :

1. ✖ 988

2. ✖ 1014

3. ✔ 1040

4. ✖ 1092

Question Number : 59 Question Id : 184122705 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

एक वृत्ताकार पार्क का परिमाण एक आयताकार बगीचे के परिमाण का दोगुना है। वृत्ताकार पार्क का क्षेत्रफल

$5,544 \text{ m}^2$ है। यदि आयताकार बगीचे की चौड़ाई 26 m है तो, आयताकार बगीचे का क्षेत्रफल (m^2 में)

कितना होगा? ($\pi = \frac{22}{7}$ मानें)

Options :

1. ✖ 988

2. ✖ 1014

3. ✔ 1040

4. ✖ 1092

Question Number : 60 Question Id : 184122706 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Three solid metallic sphere balls of radii 12 cm, 16 cm and 'x' cm are melted to form a solid sphere of radius 24 cm.

What is the volume (in cm^3) of the ball whose radius is 'x' cm? (Nearest to an integer)

Options :

1. ✔ 33,524

2. ✖ 33,544

3. ✖ 34,525

4. ✖ 34,536

Question Number : 60 Question Id : 184122706 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

12 cm, 16 cm और 'x' cm त्रिज्या की तीन ठोस धातु की गोल गेंदों को पिघलाकर 24 cm त्रिज्या का एक ठोस गोला बनाया जाता है। 'x' cm त्रिज्या वाली गेंद का आयतन (cm^3 में) कितना होगा? (एक पूर्णांक तक पूर्णांकित)

Options :

1. ✓ 33,524

2. ✗ 33,544

3. ✗ 34,525

4. ✗ 34,536

General English

Group Number :	4
Group Id :	18412226
Group Maximum Duration :	0
Group Minimum Duration :	0
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	20
Is this Group for Examiner? :	No
Examiner permission :	Cant View
Show Progress Bar? :	No

General English

Section Id :	18412234
Section Number :	1
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	16

Number of Questions to be attempted :	16
Section Marks :	20
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	18412240
Question Shuffling Allowed :	Yes

Question Number : 61 Question Id : 184122707 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

Choose the correct passive voice form of the given sentence:
Who told you my name?

Options :

1. ✖ By whom was you told the name?
2. ✖ Who were you told my name?
3. ✖ By whom were my name told to you?
4. ✔ By whom were you told my name?

Question Number : 61 Question Id : 184122707 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

Choose the correct passive voice form of the given sentence:
Who told you my name?

Options :

1. ✖ By whom was you told the name?
2. ✖ Who were you told my name?
3. ✖ By whom were my name told to you?
4. ✔ By whom were you told my name?

Question Number : 62 Question Id : 184122708 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

Choose the correct active voice form of the given sentence:
The project had been completed by them before the deadline.

Options :

1. ✖ They completed the project before the deadline.
2. ✖ They had been completing the project before the deadline.
3. ✔ They had completed the project before the deadline.
4. ✖ They have completed the project before the deadline.

Question Number : 62 Question Id : 184122708 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Choose the correct active voice form of the given sentence:
The project had been completed by them before the deadline.

Options :

1. ✖ They completed the project before the deadline.
2. ✖ They had been completing the project before the deadline.
3. ✔ They had completed the project before the deadline.
4. ✖ They have completed the project before the deadline.

Question Number : 63 Question Id : 184122709 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Fill in the blank:

You can take the bike _____ you promise not to drive too fast.

Options :

1. ✖ merely
2. ✖ as good as
3. ✔ so long as
4. ✖ either

Question Number : 63 Question Id : 184122709 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Fill in the blank:

You can take the bike _____ you promise not to drive too fast.

Options :

1. ✖ merely
2. ✖ as good as
3. ✔ so long as
4. ✖ either

Question Number : 64 Question Id : 184122710 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Fill in the blank.

_____ time progressed, he got more appreciation.

Options :

1. ✔ as
2. ✖ as if
3. ✖ instead
4. ✖ either

Question Number : 64 Question Id : 184122710 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Fill in the blank.

_____ time progressed, he got more appreciation.

Options :

1. ✓ As
2. ✗ As if
3. ✗ Instead
4. ✗ Either

Question Number : 65 Question Id : 184122711 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Choose the correct form of reported speech:

Suman said to her father, "I will phone you from the office when I reach."

Options :

1. ✗ Suman informed her father if she would phone him from the office when she reached.
2. ✗ Suman informed her father that she will phone her from the office when she will reach.
3. ✗ Suman informed her father that she phones him from the office when she reaches.
4. ✓ Suman informed her father that she would phone him from the office when she reached.

Question Number : 65 Question Id : 184122711 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Choose the correct form of reported speech:

Suman said to her father, "I will phone you from the office when I reach."

Options :

1. ✗ Suman informed her father if she would phone him from the office when she reached.
2. ✗ Suman informed her father that she will phone her from the office when she will reach.
3. ✗ Suman informed her father that she phones him from the office when she reaches.
4. ✓ Suman informed her father that she would phone him from the office when she reached.

Question Number : 66 Question Id : 184122712 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Choose the correct form of direct speech:
Shiva says that he has resigned.

Options :

1. ✖ Shiva said, "I have resigned."
2. ✔ Shiva says, "I have resigned."
3. ✖ Shiva has said, "He has resigned."
4. ✖ Shiva says, "He resigned."

Question Number : 66 Question Id : 184122712 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Choose the correct form of direct speech:
Shiva says that he has resigned.

Options :

1. ✖ Shiva said, "I have resigned."
2. ✔ Shiva says, "I have resigned."
3. ✖ Shiva has said, "He has resigned."
4. ✖ Shiva says, "He resigned."

Question Number : 67 Question Id : 184122713 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Which of the given expressions does not express the future?

Options :

1. ✖ He would be going soon.
2. ✖ What are you going to do with this money?
3. ✔ He'd already paid the fee.
4. ✖ I'd pay the fee in advance.

Question Number : 67 Question Id : 184122713 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Which of the given expressions does not express the future?

Options :

1. ✖ He would be going soon.
2. ✖ What are you going to do with this money?
3. ✔ He'd already paid the fee.
4. ✖ I'd pay the fee in advance.

Question Number : 68 Question Id : 184122714 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Choose the correct expression of past tense:

Options :

1. ✖ Where did you gone?
2. ✖ Where has he gone?
3. ✖ I use to play all evening.
4. ✔ Sami didn't buy anything.

Question Number : 68 Question Id : 184122714 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Choose the correct expression of past tense:

Options :

1. ✖ Where did you gone?
2. ✖ Where has he gone?
3. ✖ I use to play all evening.
4. ✔ Sami didn't buy anything.

Question Number : 69 Question Id : 184122715 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Choose the option that has an opposite meaning to 'invincible'.

Options :

1. ✖ Unconquerable
2. ✖ Indomitable
3. ✖ Unyielding
4. ✔ Vulnerable

Question Number : 69 Question Id : 184122715 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Choose the option that has an opposite meaning to 'invincible'.

Options :

1. ✖ Unconquerable
2. ✖ Indomitable
3. ✖ Unyielding
4. ✔ Vulnerable

Question Number : 70 Question Id : 184122716 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Pick up the expression that conveys the correct/popular sense of 'At the mercy of':

Options :

1. ✖ Straight forward
2. ✖ Irrelevant
3. ✖ At a distance from
4. ✔ Dependent on

Question Number : 70 Question Id : 184122716 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Pick up the expression that conveys the correct/popular sense of 'At the mercy of':

Options :

1. ✖ Straight forward

2. ✖ Irrelevant
3. ✖ At a distance from
4. ✔ Dependent on

Question Number : 71 Question Id : 184122717 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Pick up the expression that conveys the sense of the following:

You can't judge a book by its cover.

Options :

1. ✖ Read the books carefully.
2. ✖ The cover of a book is important.
3. ✖ Don't be judgemental.
4. ✔ Outer appearance doesn't indicate the character.

Question Number : 71 Question Id : 184122717 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Pick up the expression that conveys the sense of the following:

You can't judge a book by its cover.

Options :

1. ✖ Read the books carefully.
2. ✖ The cover of a book is important.
3. ✖ Don't be judgemental.
4. ✔ Outer appearance doesn't indicate the character.

Question Number : 72 Question Id : 184122718 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Pick up the expression that conveys the sense of the following:

Better to wear out than to rust out.

Options :

1. ✖ Wear a good dress when you go out.

2. ✓ It is better to be active than to be idle.
3. ✗ Health is far better than money.
4. ✗ Honesty is a great virtue.

Question Number : 72 Question Id : 184122718 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Pick up the expression that conveys the sense of the following:
Better to wear out than to rust out.

Options :

1. ✗ Wear a good dress when you go out.
2. ✓ It is better to be active than to be idle.
3. ✗ Health is far better than money.
4. ✗ Honesty is a great virtue.

Question Number : 73 Question Id : 184122719 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Complete the sentence:
If they had helped me in time _____.

Options :

1. ✗ I will succeed.
2. ✗ I would succeed.
3. ✗ I would like to succeed.
4. ✓ I would have succeeded.

Question Number : 73 Question Id : 184122719 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Complete the sentence:
If they had helped me in time _____.

Options :

1. ✖ I will succeed.
2. ✖ I would succeed.
3. ✖ I would like to succeed.
4. ✔ I would have succeeded.

Question Number : 74 Question Id : 184122720 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Pick up the correct sentence:

Options :

1. ✖ Sheena asks me to not to tell anybody what had happened.
2. ✔ Sheena asked me not to tell anybody what had happened.
3. ✖ Sheena ask me do not to tell anybody what had happened.
4. ✖ Sheena asks me to not tell anybody what have happened.

Question Number : 74 Question Id : 184122720 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Pick up the correct sentence:

Options :

1. ✖ Sheena asks me to not to tell anybody what had happened.
2. ✔ Sheena asked me not to tell anybody what had happened.
3. ✖ Sheena ask me do not to tell anybody what had happened.
4. ✖ Sheena asks me to not tell anybody what have happened.

Question Number : 75 Question Id : 184122721 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Pick the correct option to complete the sentence:

You don't look very well. You'd better not _____.

Options :

1. ✖ To go to work now

- 2. ✖ Neither work
- 3. ✔ Go to work today
- 4. ✖ Didn't work hard

Question Number : 75 Question Id : 184122721 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Pick the correct option to complete the sentence:
You don't look very well. You'd better not _____.

Options :

- 1. ✖ To go to work now
- 2. ✖ Neither work
- 3. ✔ Go to work today
- 4. ✖ Didn't work hard

Sub-Section Number :	2
Sub-Section Id :	18412241
Question Shuffling Allowed :	Yes

Question Id : 184122722 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Question Numbers : (76 to 80)

Read the following passage and answer the questions that follow:

A person's ability to enjoy their human rights depends on other people respecting those rights. This means that human rights involve responsibilities and duties towards other people and the community. Individuals have a responsibility to ensure that they exercise their rights with consideration for the rights of others. The nineteenth and early twentieth centuries saw continuing advances in social progress, for example, in the abolition of slavery, the widespread provision of education and the extension of political rights. Despite these advances, international activity on human rights remained weak. The general attitude was that nations could do what they liked within their borders and that other countries and the broader international community had no basis for intervening or even raising concerns when rights were violated. This is expressed in the term 'state sovereignty', which refers to the idea that whoever has the political authority within a country has the power to rule and pass laws over that territory. Importantly, countries agree to mutually recognise this sovereignty. In doing so, they agree to refrain from interfering in the internal or external affairs of other sovereign states. However, the atrocities and human rights violations that occurred during World War II galvanised worldwide opinion and made human rights a universal concern.

Sub questions

Question Number : 76 Question Id : 184122723 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Which of the following words in the passage means opposite to 'restricted'?

Options :

1. ☒ Widespread
2. ☐ Slavery
3. ☐ Political
4. ☐ Responsibility

Question Number : 77 Question Id : 184122724 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Which of the following words in the passage means 'an area of land or sea that belongs to a country'?

Options :

1. ☐ Worldwide
2. ☐ Nation
3. ☒ Territory
4. ☐ community

Question Number : 78 Question Id : 184122725 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Which of the following is not relevant to human rights in the context of the passage?

Options :

1. ☒ Human rights do not entail any responsibility.
2. ☐ Human rights came to be a universal concern after the II World War.
3. ☐ Despite advances in social progress, international activity on human rights remained weak.
4. ☐ A person's ability to enjoy their human rights depends on other people respecting those rights.

Question Number : 79 Question Id : 184122726 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Which of the following words in the passage means 'authority to govern a country'?

Options :

1. ✖ Human-right
2. ✖ Galvanise
3. ✖ Intervene
4. ✔ Sovereignty

Question Number : 80 Question Id : 184122727 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

What, according to the passage, prompted the world to consider human rights a universal concern?

Options :

1. ✖ Ability to enjoy their human rights.
2. ✔ Atrocities and human rights violations that occurred during World War II.
3. ✖ Mutual recognition of sovereignty.
4. ✖ Political authority within a country.

Question Id : 184122722 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Question Numbers : (76 to 80)

Read the following passage and answer the questions that follow:

A person's ability to enjoy their human rights depends on other people respecting those rights. This means that human rights involve responsibilities and duties towards other people and the community. Individuals have a responsibility to ensure that they exercise their rights with consideration for the rights of others. The nineteenth and early twentieth centuries saw continuing advances in social progress, for example, in the abolition of slavery, the widespread provision of education and the extension of political rights. Despite these advances, international activity on human rights remained weak. The general attitude was that nations could do what they liked within their borders and that other countries and the broader international community had no basis for intervening or even raising concerns when rights were violated. This is expressed in the term 'state sovereignty', which refers to the idea that whoever has the political authority within a country has the power to rule and pass laws over that territory. Importantly, countries agree to mutually recognise this sovereignty. In doing so, they agree to refrain from interfering in the internal or external affairs of other sovereign states. However, the atrocities and human rights violations that occurred during World War II galvanised worldwide opinion and made human rights a universal concern.

Sub questions

Question Number : 76 Question Id : 184122723 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Which of the following words in the passage means opposite to 'restricted'?

Options :

1. ☒ Widespread
2. ☐ Slavery
3. ☐ Political
4. ☐ Responsibility

Question Number : 77 Question Id : 184122724 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Which of the following words in the passage means 'an area of land or sea that belongs to a country'?

Options :

1. ☐ Worldwide
2. ☐ Nation
3. ☒ Territory
4. ☐ community

Question Number : 78 Question Id : 184122725 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Which of the following is not relevant to human rights in the context of the passage?

Options :

1. ☒ Human rights do not entail any responsibility.
2. ☐ Human rights came to be a universal concern after the II World War.
3. ☐ Despite advances in social progress, international activity on human rights remained weak.
4. ☐ A person's ability to enjoy their human rights depends on other people respecting those rights.

Question Number : 79 Question Id : 184122726 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Which of the following words in the passage means 'authority to govern a country'?

Options :

1. ☐ Human-right

2. ✖ Galvanise
3. ✖ Intervene
4. ✔ Sovereignty

Question Number : 80 Question Id : 184122727 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

What, according to the passage, prompted the world to consider human rights a universal concern?

Options :

1. ✖ Ability to enjoy their human rights.
2. ✔ Atrocities and human rights violations that occurred during World War II.
3. ✖ Mutual recognition of sovereignty.
4. ✖ Political authority within a country.

General Hindi

Group Number :	5
Group Id :	18412227
Group Maximum Duration :	0
Group Minimum Duration :	0
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	20
Is this Group for Examiner? :	No
Examiner permission :	Cant View
Show Progress Bar? :	No

General Hindi

Section Id :	18412235
Section Number :	1

Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	16
Number of Questions to be attempted :	16
Section Marks :	20
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	18412242
Question Shuffling Allowed :	Yes

Question Number : 81 Question Id : 184122728 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित में से कौन संप्रदान कारक का उदाहरण **नहीं** है?

Options :

1. ✓ हरि मोहन को मारता है।
2. ✗ मां ने बच्चों को खिलोने खरीदे।
3. ✗ राम के लिए लक्ष्मण वन गए।
4. ✗ तुलसी के वास्ते ही जैसे राम ने अवतार लिया।

Question Number : 81 Question Id : 184122728 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित में से कौन संप्रदान कारक का उदाहरण **नहीं** है?

Options :

1. ✓ हरि मोहन को मारता है।
2. ✗ मां ने बच्चों को खिलोने खरीदे।
3. ✗ राम के लिए लक्ष्मण वन गए।
4. ✗ तुलसी के वास्ते ही जैसे राम ने अवतार लिया।

Question Number : 82 Question Id : 184122729 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

निम्न में से किस वाक्य में संयुक्त क्रिया का प्रयोग नहीं है?

Options :

1. ✖ घनश्याम रो चुका।
2. ✖ सोहन हंसने लगा।
3. ✖ वह घर पहुँच गया।
4. ✔ उसने रोटी खाई।

Question Number : 82 Question Id : 184122729 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

निम्न में से किस वाक्य में संयुक्त क्रिया का प्रयोग नहीं है?

Options :

1. ✖ घनश्याम रो चुका।
2. ✖ सोहन हंसने लगा।
3. ✖ वह घर पहुँच गया।
4. ✔ उसने रोटी खाई।

Question Number : 83 Question Id : 184122730 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

निम्न में से कौन व्यंजन संधि का उदाहरण नहीं है?

Options :

1. ✖ जगन्नाथ
2. ✖ उन्नति
3. ✖ वांडमय
4. ✔ मनोरथ

Question Number : 83 Question Id : 184122730 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

निम्न में से कौन व्यंजन संधि का उदाहरण **नहीं** है?

Options :

1. ✖ जगन्नाथ
2. ✖ उन्नति
3. ✖ वांडमय
4. ✔ मनोरथ

Question Number : 84 Question Id : 184122731 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'पीताम्बर' शब्द का बहुव्रीहि समास में उपयुक्त समास-विग्रह होगा?

Options :

1. ✖ पीत अम्बर
2. ✔ पीत है अम्बर जिसका वह
3. ✖ पीला वस्त्र
4. ✖ पीला है कपड़ा

Question Number : 84 Question Id : 184122731 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'पीताम्बर' शब्द का बहुव्रीहि समास में उपयुक्त समास-विग्रह होगा?

Options :

1. ✖ पीत अम्बर
2. ✔ पीत है अम्बर जिसका वह
3. ✖ पीला वस्त्र
4. ✖ पीला है कपड़ा

Question Number : 85 Question Id : 184122732 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'रोग ग्रस्त' का समास-विग्रह 'रोग से ग्रस्त' में समास है?

Options :

1. ✖ कर्मधारय
2. ✔ तत्पुरुष
3. ✖ बहुव्रीहि
4. ✖ द्विगु

Question Number : 85 Question Id : 184122732 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'रोग ग्रस्त' का समास-विग्रह 'रोग से ग्रस्त' में समास है?

Options :

1. ✖ कर्मधारय
2. ✔ तत्पुरुष
3. ✖ बहुव्रीहि
4. ✖ द्विगु

Question Number : 86 Question Id : 184122733 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

मैया मैं तो चंद्र खिलौना लैहों
यहाँ अलंकार है?

Options :

1. ✖ उपमा
2. ✖ उत्प्रेक्षा
3. ✔ रूपक
4. ✖ काव्य लिंग

Question Number : 86 Question Id : 184122733 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

मैया मैं तो चंद्र खिलौना लैहों
यहाँ अलंकार है?

Options :

1. ✖ उपमा
2. ✖ उत्प्रेक्षा
3. ✔ रूपक
4. ✖ काव्य लिंग

Question Number : 87 Question Id : 184122734 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

हनुमान की पूँछ में लगन न पाई आग।
लंका सिगरी जल गई, गए निसाचर भाग।।'
इसमें अलंकार है?

Options :

1. ✖ उपमा
2. ✖ उत्प्रेक्षा
3. ✖ रूपक
4. ✔ अतिशयोक्ति

Question Number : 87 Question Id : 184122734 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

हनुमान की पूँछ में लगन न पाई आग।
लंका सिगरी जल गई, गए निसाचर भाग।।'
इसमें अलंकार है?

Options :

1. ✖ उपमा
2. ✖ उत्प्रेक्षा
3. ✖ रूपक
4. ✔ अतिशयोक्ति

Question Number : 88 Question Id : 184122735 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

बंदऊँ गुरुपद पदुम परागा'
इसमें अलंकार है:

Options :

1. ✖ यमक
2. ✖ उपमा
3. ✔ अनुप्रास
4. ✖ वक्रोक्ति

Question Number : 88 Question Id : 184122735 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

बंदऊँ गुरुपद पदुम परागा'
इसमें अलंकार है:

Options :

1. ✖ यमक
2. ✖ उपमा
3. ✔ अनुप्रास
4. ✖ वक्रोक्ति

Question Number : 89 Question Id : 184122736 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

निम्न में से कौन सा शब्द 'सूर्य' का पर्यायवाची नहीं है?

Options :

1. ✔ मयंक
2. ✖ दिनकर
3. ✖ भास्कर

4. ✖ सविता

Question Number : 89 Question Id : 184122736 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

निम्न में से कौन सा शब्द 'सूर्य' का पर्यायवाची नहीं है?

Options :

1. ✔ मयंक
2. ✖ दिनकर
3. ✖ भास्कर
4. ✖ सविता

Question Number : 90 Question Id : 184122737 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'अथ' शब्द का सर्वाधिक उपयुक्त विलोम शब्द है?

Options :

1. ✖ प्रारंभ
2. ✖ शुरुआत
3. ✔ इति
4. ✖ प्रवृत्ति

Question Number : 90 Question Id : 184122737 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'अथ' शब्द का सर्वाधिक उपयुक्त विलोम शब्द है?

Options :

1. ✖ प्रारंभ
2. ✖ शुरुआत
3. ✔ इति
4. ✖ प्रवृत्ति

Question Number : 91 Question Id : 184122738 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

‘कमर टूटना’ मुहावरे का उपयुक्त अर्थ है?

Options :

1. ✖ लाभ होना
2. ✔ बहुत नुकसान होना
3. ✖ परेशान होना
4. ✖ खुश होना

Question Number : 91 Question Id : 184122738 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

‘कमर टूटना’ मुहावरे का उपयुक्त अर्थ है?

Options :

1. ✖ लाभ होना
2. ✔ बहुत नुकसान होना
3. ✖ परेशान होना
4. ✖ खुश होना

Question Number : 92 Question Id : 184122739 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

‘एक तंदुरुस्ती हजार नियामत’ लोकोक्ति का उपयुक्त अर्थ है?

Options :

1. ✖ सफल होना
2. ✖ ईमानदारी महत्वपूर्ण
3. ✖ बीमारी होना
4. ✔ स्वास्थ्य बहुत बड़ी चीज

Question Number : 92 Question Id : 184122739 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

‘एक तंदुरुस्ती हजार नियामत’ लोकोक्ति का उपयुक्त अर्थ है?

Options :

1. ✖ सफल होना
2. ✖ ईमानदारी महत्वपूर्ण
3. ✖ बीमारी होना
4. ✔ स्वास्थ्य बहुत बड़ी चीज

Question Number : 93 Question Id : 184122740 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

‘वह कमाए तो खाए’ - यह वाक्य भविष्यत काल के किस भेद का है?

Options :

1. ✖ सामान्य भविष्य
2. ✖ विशिष्ट भविष्य
3. ✖ संभाव्य भविष्य
4. ✔ हेतुहेतुमद भविष्य

Question Number : 93 Question Id : 184122740 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

‘वह कमाए तो खाए’ - यह वाक्य भविष्यत काल के किस भेद का है?

Options :

1. ✖ सामान्य भविष्य
2. ✖ विशिष्ट भविष्य
3. ✖ संभाव्य भविष्य
4. ✔ हेतुहेतुमद भविष्य

Question Number : 94 Question Id : 184122741 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

‘तुमने गाना गाया होगा’ - यह वाक्य भूतकाल के किस भेद का है?

Options :

1. ✖ आसन्न भूत
2. ✖ पूर्ण भूत
3. ✖ सामान्य भूत
4. ✔ संदिग्ध भूत

Question Number : 94 Question Id : 184122741 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

‘तुमने गाना गाया होगा’ - यह वाक्य भूतकाल के किस भेद का है?

Options :

1. ✖ आसन्न भूत
2. ✖ पूर्ण भूत
3. ✖ सामान्य भूत
4. ✔ संदिग्ध भूत

Question Number : 95 Question Id : 184122742 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

‘वह देखता है’ - यह वाक्य वर्तमान काल के किस भेद से संबंधित है?

Options :

1. ✔ सामान्य वर्तमान
2. ✖ पूर्ण वर्तमान
3. ✖ तात्कालिक वर्तमान
4. ✖ संभाव्य वर्तमान

Question Number : 95 Question Id : 184122742 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'वह देखता है' - यह वाक्य वर्तमान काल के किस भेद से संबंधित है?

Options :

1. ✓ सामान्य वर्तमान
2. ✗ पूर्ण वर्तमान
3. ✗ तात्कालिक वर्तमान
4. ✗ संभाव्य वर्तमान

Sub-Section Number :

2

Sub-Section Id :

18412243

Question Shuffling Allowed :

Yes

Question Id : 184122743 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Question Numbers : (96 to 100)

बाजार में, विज्ञापन ने हिंदी को एक क्रांतिकारी रूप दिया जिसमें रवानगी है, स्वाद है, रोमांच है, आज की सबसे बड़ी चाहत का अकूत संसार है। इस तरह हिंदी भविष्य की भाषा, समय का तकाजा और रोजगार की जरूरत बनती जा रही है। लोकतंत्र का चौथा स्तंभ पत्रकारिता है। सूचना क्रांति ने विश्व को ग्राम बना दिया है। मीडिया की जागरूकता ने समाज में एक क्रांति ला दी है और इस क्रांति की भाषा हिंदी है। इतने सारे समाचार चैनल हैं और सभी चैनलों पर हिंदी अपने हर रूप में नए कलेवर, तेवर में निखरकर, संवरकर, लहरकर अर्थात् बिंदास बनकर छाई रहती है। तुलनात्मक अर्थों में आज अंग्रेजी पत्रकारिता का मूल्य, बाजार, उत्पादन, उपभोग और वितरण बहुत बड़ा है। प्रिंट मीडिया की स्थिति ज्यादा बेहतर है। पत्र-पत्रिकाओं की लाखों प्रतियां रोजाना बिकती हैं। चीन के बाद सबसे अधिक अखबार हमारे यहां पढ़े जाते हैं। हिंदी के सर्वेक्षण की यह मानवीय, रचनात्मक और सारगर्भित उपलब्धि है। पत्र-पत्रिकाएं हिंदी की गुणवत्ता और प्रचार-प्रसार के लिए कृत संकल्प हैं। यह भ्रम फैलाया गया था कि हिंदी रोजगारोन्मुखी नहीं है। आज सरकारी, गैर सरकारी क्षेत्रों में करोड़ों हिंदी पढ़े लिखे लोग आजीविका कमा रहे हैं। भविष्य में हिंदी की बाजार मांग और अधिक होगी। पसीनों में, प्रार्थनाओं में, सिरहानों की सिसकियों में और हमारे सपनों में जब तक हिंदी रहेगी, तब तक वह बिना किसी पीड़ा या रोग के सप्राण, सवाक और सस्वर रहेगी।

Sub questions

Question Number : 96 Question Id : 184122744 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

उपर्युक्त गद्यांश के लिए सर्वाधिक उपयुक्त शीर्षक है?

Options :

1. ✗ हिंदी की कविताएं

2. ✖ हिंदी का साहित्य
3. ✔ हिंदी सबकी भाषा
4. ✖ हिंदी का व्याकरण

Question Number : 97 Question Id : 184122745 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

लोकतंत्र का चौथा स्तंभ किसे कहा गया है?

Options :

1. ✔ पत्रकारिता
2. ✖ बाजार
3. ✖ हिंदी
4. ✖ सूचना क्रांति

Question Number : 98 Question Id : 184122746 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

इनमें से कौन सा विकल्प हिंदी के संदर्भ में असत्य है?

Options :

1. ✖ भविष्य की भाषा
2. ✔ बातचीत की भाषा
3. ✖ समय का तकाजा
4. ✖ रोजगार की जरूरत

Question Number : 99 Question Id : 184122747 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

सूचना क्रांति ने विश्व को बना दिया है -

Options :

1. ✖ शहर
2. ✖ नगर
3. ✔ ग्राम

4. ✖ कस्बा

Question Number : 100 Question Id : 184122748 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

प्रिंट मीडिया के अंतर्गत शामिल है -

Options :

1. ✖ रेडियो
2. ✖ टेलीविजन
3. ✖ इंटरनेट
4. ✔ पत्र- पत्रिकाएं

Question Id : 184122743 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Question Numbers : (96 to 100)

बाजार में, विज्ञापन ने हिंदी को एक क्रांतिकारी रूप दिया जिसमें रवानगी है, स्वाद है, रोमांच है, आज की सबसे बड़ी चाहत का अकूत संसार है। इस तरह हिंदी भविष्य की भाषा, समय का तकाजा और रोजगार की जरूरत बनती जा रही है।

लोकतंत्र का चौथा स्तंभ पत्रकारिता है। सूचना क्रांति ने विश्व को ग्राम बना दिया है। मीडिया की जागरूकता ने समाज में एक क्रांति ला दी है और इस क्रांति की भाषा हिंदी है। इतने सारे समाचार चैनल हैं और सभी चैनलों पर हिंदी अपने हर रूप में नए कलेवर, तेवर में निखरकर, संवरकर, लहरकर अर्थात् बिंदास बनकर छाई रहती है। तुलनात्मक अर्थों में आज अंग्रेजी पत्रकारिता का मूल्य, बाजार, उत्पादन, उपभोग और वितरण बहुत बड़ा है।

प्रिंट मीडिया की स्थिति ज्यादा बेहतर है। पत्र-पत्रिकाओं की लाखों प्रतियां रोजाना बिकती हैं। चीन के बाद सबसे अधिक अखबार हमारे यहां पढ़े जाते हैं। हिंदी के सर्वेक्षण की यह मानवीय, रचनात्मक और सारगर्भित उपलब्धि है। पत्र-पत्रिकाएं हिंदी की गुणवत्ता और प्रचार-प्रसार के लिए कृत संकल्प हैं।

यह भ्रम फैलाया गया था कि हिंदी रोजगारोन्मुखी नहीं है। आज सरकारी, गैर सरकारी क्षेत्रों में करोड़ों हिंदी पढ़े लिखे लोग आजीविका कमा रहे हैं। भविष्य में हिंदी की बाजार मांग और अधिक होगी।

पसीनों में, प्रार्थनाओं में, सिरहानों की सिसकियों में और हमारे सपनों में जब तक हिंदी रहेगी, तब तक वह बिना किसी पीड़ा या रोग के सप्राण, सवाक और सस्वर रहेगी।

Sub questions

Question Number : 96 Question Id : 184122744 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

उपर्युक्त गद्यांश के लिए सर्वाधिक उपयुक्त शीर्षक है?

Options :

1. ✖ हिंदी की कविताएं
2. ✖ हिंदी का साहित्य
3. ✔ हिंदी सबकी भाषा
4. ✖ हिंदी का व्याकरण

Question Number : 97 Question Id : 184122745 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

लोकतंत्र का चौथा स्तंभ किसे कहा गया है?

Options :

1. ✔ पत्रकारिता
2. ✖ बाजार
3. ✖ हिंदी
4. ✖ सूचना क्रांति

Question Number : 98 Question Id : 184122746 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

इनमें से कौन सा विकल्प हिंदी के संदर्भ में असत्य है?

Options :

1. ✖ भविष्य की भाषा
2. ✔ बातचीत की भाषा
3. ✖ समय का तकाजा
4. ✖ रोजगार की जरूरत

Question Number : 99 Question Id : 184122747 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

सूचना क्रांति ने विश्व को बना दिया है -

Options :

1. ✖ शहर
2. ✖ नगर

3. ✓ ग्राम

4. ✖ कस्बा

Question Number : 100 Question Id : 184122748 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

प्रिंट मीडिया के अंतर्गत शामिल है -

Options :

1. ✖ रेडियो

2. ✖ टेलीविजन

3. ✖ इंटरनेट

4. ✓ पत्र- पत्रिकाएं

Discipline1

Group Number :	6
Group Id :	18412228
Group Maximum Duration :	0
Group Minimum Duration :	0
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	20
Is this Group for Examiner? :	No
Examiner permission :	Cant View
Show Progress Bar? :	No

Discipline1

Section Id :	18412236
Section Number :	1

Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	20
Number of Questions to be attempted :	20
Section Marks :	20
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	18412244
Question Shuffling Allowed :	Yes

Question Number : 101 Question Id : 184122749 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.25

In petrol knocking, which phenomenon of the fuel is seen?

Options :

1. ✓ Pre-ignition
2. ✗ Post ignition
3. ✗ Crack ignition
4. ✗ Fire ignition

Question Number : 101 Question Id : 184122749 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.25

पेट्रोल नॉकिंग (petrol knocking) में, ईंधन की कौन सी परिघटना देखी जाती है?

Options :

1. ✓ पूर्व-प्रज्वलन
2. ✗ प्रज्वलनोत्तर
3. ✗ क्रैक प्रज्वलन
4. ✗ अग्नि प्रज्वलन

Question Number : 102 Question Id : 184122750 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

For Catalytic Cracking, which catalyst is used?

Options :

1. ✗ NaCl
2. ✓ Al_2O_3
3. ✗ ZnSO_4
4. ✗ KCl

Question Number : 102 Question Id : 184122750 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

कैटेलिटिक क्रैकिंग के लिए किस उत्प्रेरक का उपयोग किया जाता है?

Options :

1. ✗ NaCl

2. ✓ Al_2O_3

3. ✗ ZnSO_4

4. ✗ KCl

Question Number : 103 Question Id : 184122751 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

Which of the following is a character of a fuel cell?

Options :

1. ✓ High efficiency

2. ✗ High noise level

3. ✗ High vibration

4. ✗ No heat transfer

Question Number : 103 Question Id : 184122751 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित में से कौन-सा ईंधन सेल का एक लक्षण है?

Options :

1. ✓ उच्च दक्षता

2. ✖ उच्च रव स्तर
3. ✖ उच्च कंपन
4. ✖ कोई ऊष्मा हस्तांतरण नहीं

Question Number : 104 Question Id : 184122752 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

Which of the following is used as an Agriculture Fertilizer?

Options :

1. ✖ Bio Ethanol
2. ✖ Bio-Ethane
3. ✖ Bio-methanol
4. ✔ Digestate

Question Number : 104 Question Id : 184122752 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित में से किसका उपयोग कृषि उर्वरक के रूप में किया जाता है?

Options :

1. ✖ जैव इथेनॉल
2. ✖ जैव-एथेन

3. ✖ जैव-मेथनॉल

4. ✔ डाइजेस्टेट

Question Number : 105 Question Id : 184122753 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

What will be the value of the magnetic field outside a solenoid?

Options :

1. ✖ Of the order of 100

2. ✔ Negligible

3. ✖ Infinite

4. ✖ Of the order of 1000

Question Number : 105 Question Id : 184122753 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

परिनालिका के बाहर चुंबकीय क्षेत्र का मान क्या होगा?

Options :

1. ✖ 100 की कोटि में

2. ✔ नगण्य

3. ✖ अनंत

4. ✖ 1000 की कोटि में

Question Number : 106 Question Id : 184122754 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Which of the following units is given by International System for measurement of physical quantities?

Options :

1. ✔ SI Units

2. ✖ IS Units

3. ✖ S Units

4. ✖ I Units

Question Number : 106 Question Id : 184122754 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

भौतिक मात्राओं के मापन के लिए अंतर्राष्ट्रीय प्रणाली द्वारा निम्नलिखित में से कौन सी इकाई दी जाती है?

Options :

1. ✔ एसआई (SI) यूनिट

2. ✖ आईएस (IS) यूनिट

3. ✖ एस (S) यूनिट

4. ✖ आई (I) यूनिट

Question Number : 107 Question Id : 184122755 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Canada balsam has a refractive index of:

Options :

1. ✖ 1.95

2. ✖ 1

3. ✖ 2.6

4. ✔ 1.5

Question Number : 107 Question Id : 184122755 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

कनाडा बाल्सम (Canada balsam) का अपवर्तनांक क्या होता है?

Options :

1. ✖ 1.95

2. ✖ 1

3. ✖ 2.6

4. ✓ 1.5

Question Number : 108 Question Id : 184122756 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

A coin is tossed three times in succession. If the first toss produces a tale, then the probability of getting exactly two tales in three tosses is:

Options :

1. ✗ $\frac{1}{4}$

2. ✓ $\frac{1}{2}$

3. ✗ $\frac{3}{4}$

4. ✗ $\frac{3}{7}$

Question Number : 108 Question Id : 184122756 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

एक सिक्के को लगातार तीन बार उछाला जाता है। यदि पहले टॉस से टेल आता है, तो तीन टॉस में यथार्थतः दो टेल आने की प्रायिकता क्या है?

Options :

1. ✖ $\frac{1}{4}$

2. ✔ $\frac{1}{2}$

3. ✖ $\frac{3}{4}$

4. ✖ $\frac{3}{7}$

Question Number : 109 Question Id : 184122757 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.25

In the given expression, what is the value of P?

$$P = \int_1^{\infty} x^{-3} dx$$

Options :

1. ✖ $-\frac{1}{3}$

2. ✖ $\frac{1}{4}$

3. ✔ $\frac{1}{2}$

4. ✖ 1

Question Number : 109 Question Id : 184122757 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

दिए गए व्यंजक में P का मान क्या है?

$$P = \int_1^{\infty} x^{-3} dx$$

Options :

1. ✖ $-\frac{1}{3}$

2. ✖ $\frac{1}{4}$

3. ✔ $\frac{1}{2}$

4. ✖ 1

Question Number : 110 Question Id : 184122758 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

If $f(x) = \log (\cos x)$, find $f(0)$.

Options :

1. ✔ 0

2. ✖ 1

3. ✖ 90 degrees

4. ✖ ∞

Question Number : 110 Question Id : 184122758 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

यदि $f(x) = \log (\cos x)$ है, तो $f(0)$ ज्ञात कीजिए।

Options :

1. ✔ 0

2. ✖ 1

3. ✖ 90 डिग्री

4. ✖ ∞

Question Number : 111 Question Id : 184122759 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

If $F(y) = by + 10$, $F(1) = 15$, then the value of b is:

Options :

1. ✖ 20

2. ✖ 10

3. ✖ 15

4. ✔ 5

Question Number : 111 Question Id : 184122759 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

यदि $F(y) = by + 10$, $F(1) = 15$ है, तो b का मान ज्ञात कीजिए।

Options :

1. ✖ 20

2. ✖ 10

3. ✖ 15

4. ✔ 5

Question Number : 112 Question Id : 184122760 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

An adiabatic system:

Options :

1. ✔ is thermally insulated from its surrounding

2. ✖ is thermally non-insulated from its surrounding

3. ✖ can absorb heat

4. ✖ has zero resistance

Question Number : 112 Question Id : 184122760 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

एक रुद्धोष्म प्रणाली _____।

Options :

1. ✔ अपने परिवेश से ऊष्मीय रूप से इंसुलेटेड रहता है
2. ✖ अपने परिवेश से ऊष्मीय रूप से गैर-इंसुलेटेड है
3. ✖ ऊष्मा को अवशोषित कर सकती है
4. ✖ का शून्य प्रतिरोध होता है

Question Number : 113 Question Id : 184122761 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Which of the following is NOT required to attain a state of thermodynamic equilibrium?

Options :

1. ✖ Thermal equilibrium
2. ✖ Mechanical equilibrium
3. ✖ Chemical equilibrium

4. ✓ Electrical equilibrium

Question Number : 113 Question Id : 184122761 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

थर्मोडायनामिक संतुलन की स्थिति प्राप्त करने के लिए निम्नलिखित में से किसकी आवश्यकता नहीं है?

Options :

1. ✗ तापीय संतुलन
2. ✗ यांत्रिक संतुलन
3. ✗ रासायनिक संतुलन
4. ✓ विद्युत संतुलन

Question Number : 114 Question Id : 184122762 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Quasi static process is:

Options :

1. ✓ an irreversible process
2. ✗ a reversible process
3. ✗ a neutral process

4. ✖ a toxic process

Question Number : 114 Question Id : 184122762 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

अर्ध स्थैतिक प्रक्रम _____ होती है।

Options :

1. ✔ एक अनुत्क्रमणीय प्रक्रम
2. ✖ एक उत्क्रमणीय प्रक्रम
3. ✖ एक उदासीन प्रक्रम
4. ✖ एक विषाक्त प्रक्रम

Question Number : 115 Question Id : 184122763 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

As per the kinetic theory of heat:

Options :

1. ✖ temperature should rise during the heat transfer
2. ✖ temperature should fall during freezing
3. ✖ at low temperature all bodies are in a liquid state

4. ✓ at absolute zero there is no vibration of molecules

Question Number : 115 Question Id : 184122763 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

ऊष्मा के गतिज सिद्धांत के अनुसार _____।

Options :

1. ✗ ऊष्मा हस्तांतरण के दौरान तापमान बढ़ना चाहिए
2. ✗ अत्यधिक ठंड के दौरान तापमान गिरना चाहिए
3. ✗ कम तापमान पर सभी पिंड तरल अवस्था में होते हैं
4. ✓ परम शून्य पर अणुओं का कंपन नहीं होता है

Question Number : 116 Question Id : 184122764 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

As per joule's law, the internal energy of a perfect gas is a function of:

Options :

1. ✓ temperature
2. ✗ moisture
3. ✗ heat radiation

4. ✖ volume

Question Number : 116 Question Id : 184122764 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

जूल के नियम के अनुसार, एक आदर्श गैस की आंतरिक ऊर्जा _____ का एक कार्य है।

Options :

1. ✔ तापमान

2. ✖ आद्रता

3. ✖ ऊष्मा विकिरण

4. ✖ आयतन

Question Number : 117 Question Id : 184122765 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Which of the following is NOT an example of direct stress?

Options :

1. ✖ Tension

2. ✖ Compression

3. ✔ Shear

4. ✖ Torsion

Question Number : 117 Question Id : 184122765 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित में से कौन-सा प्रत्यक्ष प्रतिबल का उदाहरण नहीं है?

Options :

1. ✖ तनाव
2. ✖ संपीड़न
3. ✔ अपरूपण
4. ✖ विमोटन

Question Number : 118 Question Id : 184122766 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

The ratio of lateral strain to linear strain is known as:

Options :

1. ✔ Poisson's ratio
2. ✖ Thermal ratio
3. ✖ Absolute ratio
4. ✖ Molecular ratio

Question Number : 118 Question Id : 184122766 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

पार्श्विक विकृति और रैखिक विकृति के अनुपात को क्या कहा जाता है?

Options :

1. ✓ प्वासो अनुपात
2. ✗ तापीय अनुपात
3. ✗ निरपेक्ष अनुपात
4. ✗ आणविक अनुपात

Question Number : 119 Question Id : 184122767 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

A single logic gate in a prototype integrated circuit is found to be capable of switching from the 'on' state to the 'off' state in 12 ps. This corresponds to:

Options :

1. ✗ 1.2 ns
2. ✗ 120 ns
3. ✗ 0.12 ns
4. ✓ 0.012 ns

Question Number : 119 Question Id : 184122767 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

प्रोटोटाइप इंटीग्रेटेड सर्किट में एक सिंगल लॉजिक गेट 12 ps. में 'ऑन' अवस्था से 'ऑफ' अवस्था में स्विच करने में सक्षम पाया गया। यह _____ के संगत है।

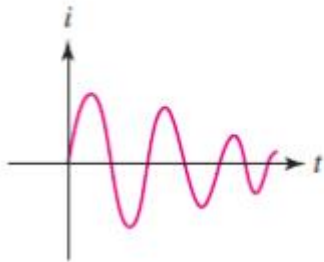
Options :

1. ✖ 1.2 ns
2. ✖ 120 ns
3. ✖ 0.12 ns
4. ✔ 0.012 ns

Question Number : 120 Question Id : 184122768 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

The current signal shown in below figure is a/an:



Options :

1. ✖ exponential current
2. ✖ direct current

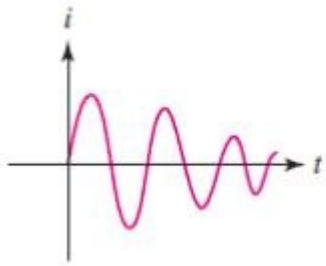
3. ✖ sinusoidal current

4. ✔ damped sinusoidal current

Question Number : 120 Question Id : 184122768 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

निम्न आकृति में प्रदर्शित धारा संकेत एक _____ है।



Options :

1. ✖ चरघातांकी धारा

2. ✖ प्रत्यावर्ती धारा

3. ✖ ज्यावक्रीय धारा

4. ✔ अवमंदित ज्यावक्रीय धारा

Discipline2

Group Number :

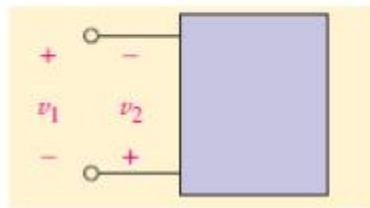
Group Id :	18412229
Group Maximum Duration :	0
Group Minimum Duration :	0
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	20
Is this Group for Examiner? :	No
Examiner permission :	Cant View
Show Progress Bar? :	No

Discipline2

Section Id :	18412237
Section Number :	1
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	20
Number of Questions to be attempted :	20
Section Marks :	20
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	18412245
Question Shuffling Allowed :	Yes

Question Number : 121 Question Id : 184122769 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.25

For the element shown in below figure $V_1 = +20\text{ V}$, what is the value of V_2 ?



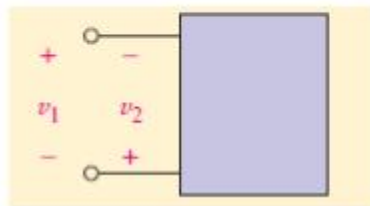
Options :

1. ✖ +20 V
2. ✔ -20 V
3. ✖ +10 V
4. ✖ -10 V

Question Number : 121 Question Id : 184122769 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

निम्न आकृति में प्रदर्शित एलिमेंट के लिए $V_1 = +20\text{ V}$ है, V_2 का मान क्या होगा?



Options :

1. ✖ +20 V
2. ✔ -20 V

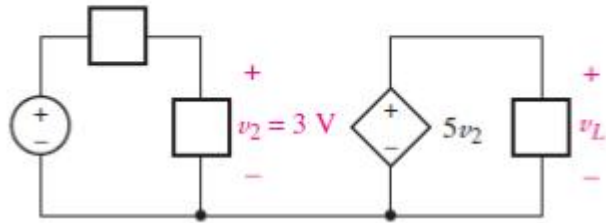
3. ✖ +10 V

4. ✖ -10 V

Question Number : 122 Question Id : 184122770 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

What is the value of v_L in the below figure?



Options :

1. ✔ 15 V

2. ✖ 5 V

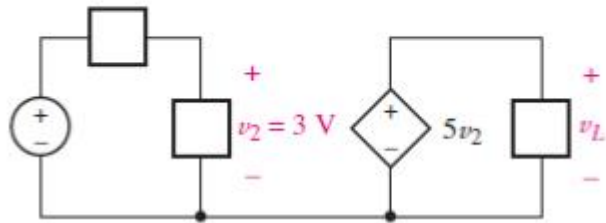
3. ✖ 3 V

4. ✖ 1.66 V

Question Number : 122 Question Id : 184122770 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

निम्न में प्रदर्शित आकृति में v_L का मान क्या होगा?

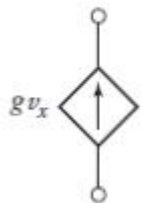


Options :

1. ✓ 15 V
2. ✗ 5 V
3. ✗ 3 V
4. ✗ 1.66 V

Question Number : 123 Question Id : 184122771 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

The below shown source is a:



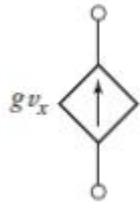
Options :

1. ✗ current controlled current source
2. ✗ current controlled voltage source

3. ✓ voltage controlled current source
4. ✗ voltage controlled voltage source

Question Number : 123 Question Id : 184122771 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.25

निम्न प्रदर्शित स्रोत _____ है।

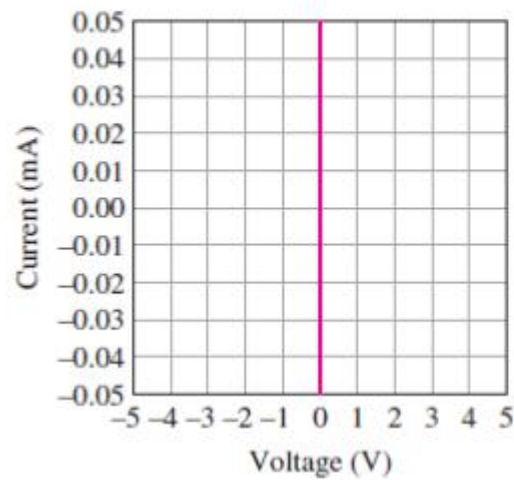


Options :

1. ✗ धारा नियंत्रित धारा स्रोत
2. ✗ धारा नियंत्रित वोल्टेज स्रोत
3. ✓ वोल्टेज नियंत्रित धारा स्रोत
4. ✗ वोल्टेज नियंत्रित वोल्टेज स्रोत

Question Number : 124 Question Id : 184122772 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.25

The voltage and current characteristic plot is shown below. What is the value of the resistance of this element?

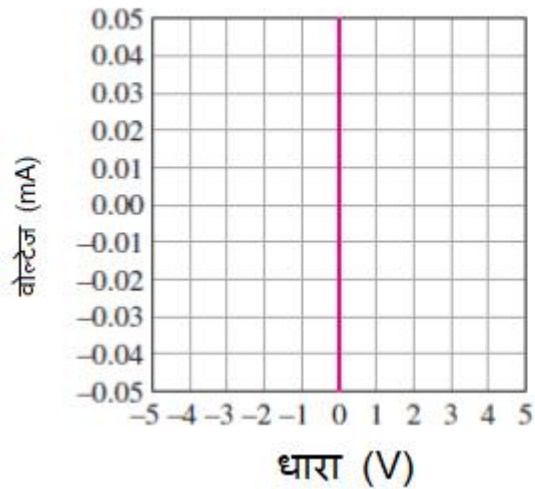


Options :

- 1. ✖ 2 mOhm
- 2. ✖ 1 mOhm
- 3. ✔ 0 mOhm
- 4. ✖ 3 mOhm

Question Number : 124 Question Id : 184122772 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

वोल्टेज और धारा अभिलक्षणिक आलेख नीचे दिखाया गया है। इस एलिमेंट के प्रतिरोध का मान क्या है?

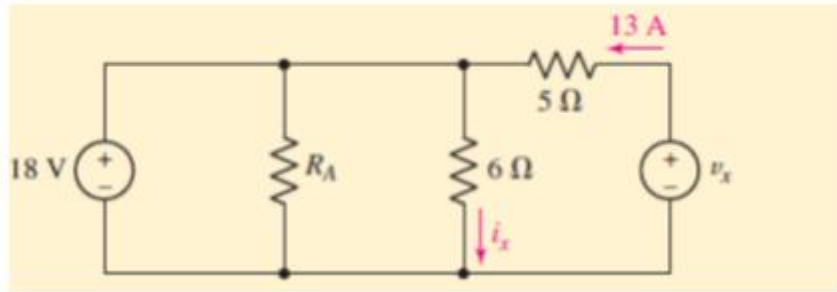


Options :

1. ✘ 2 mOhm
2. ✘ 1 mOhm
3. ✔ 0 mOhm
4. ✘ 3 mOhm

Question Number : 125 Question Id : 184122773 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

In the below circuit, the number of branches and nodes are:



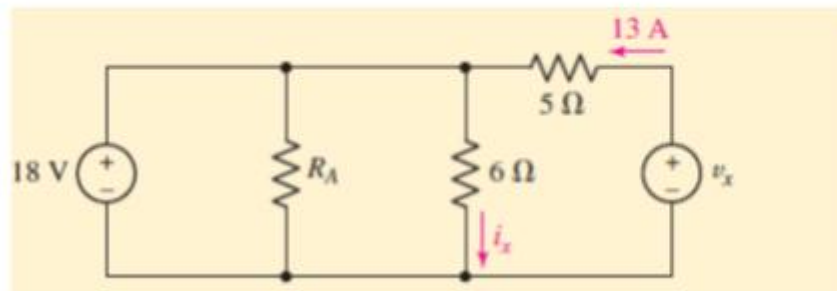
Options :

- 1. ✖ 3 branches, 3 nodes
- 2. ✔ 5 branches, 3 nodes
- 3. ✖ 3 branches, 5 nodes
- 4. ✖ 5 branches, 5 nodes

Question Number : 125 Question Id : 184122773 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

निम्न परिपथ में, शाखाओं और आसंधियों (nodes) की संख्या कितनी-कितनी है?



Options :

1. ✖ 3 शाखाएं, 3 आसंधियां
2. ✔ 5 शाखाएं, 3 आसंधियां
3. ✖ 3 शाखाएं, 5 आसंधियां
4. ✖ 5 शाखाएं, 5 आसंधियां

Question Number : 126 Question Id : 184122774 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.25

Which type of drawing shows how the components are added with their proportion?

Options :

1. ✔ Layout assembly
2. ✖ Projection assembly
3. ✖ Drawing assembly
4. ✖ Design assembly

Question Number : 126 Question Id : 184122774 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.25

किस प्रकार के आरेखण से पता चलता है कि घटकों को उनके अनुपात में कैसे जोड़ा जाता है?

Options :

1. ✓ लेआउट असेंबली
2. ✗ प्रोजेक्शन असेंबली
3. ✗ ड्राइंग असेंबली
4. ✗ डिजाइन असेंबली

Question Number : 127 Question Id : 184122775 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.25

The object projection shown in three-dimensional views is known as:

Options :

1. ✗ oblique
2. ✓ orthographic
3. ✗ isometric
4. ✗ perspective

Question Number : 127 Question Id : 184122775 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.25

त्रि-आयामी दृश्यों में दिखाए गए वस्तु प्रक्षेप (ऑब्जेक्ट प्रोजेक्शन) को _____ के रूप में जाना जाता है।

Options :

1. ✖ तिर्यक
2. ✔ लंबकोणीय
3. ✖ त्रिसमलंबाक्ष
4. ✖ संदर्श

Question Number : 128 Question Id : 184122776 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

What is the value of Representation factor (RF) on an isometric scale?

Options :

1. ✖ $0.815/10$
2. ✖ $0.8165/10$
3. ✔ $\text{Sqrt}(0.667)$
4. ✖ $\text{Sqrt}(9/20)$

Question Number : 128 Question Id : 184122776 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

एक आइसोमेट्रिक पैमाने पर रिप्रजेंटेशन फैक्टर (RF) का मान क्या होता है?

Options :

1. ✖ $0.815/10$

2. ✖ 0.8165/10

3. ✔ Sqrt(0.667)

4. ✖ Sqrt (9/20)

Question Number : 129 Question Id : 184122777 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

The below symbol in drawing represents:



Options :

1. ✖ second angle projection

2. ✔ first angle projection

3. ✖ third angle projection

4. ✖ front projection

Question Number : 129 Question Id : 184122777 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

ड्राइंग में निम्न प्रतीक _____ निरूपित करता है।



Options :

1. ✖ द्वितीय कोण प्रक्षेप
2. ✔ प्रथम कोण प्रक्षेप
3. ✖ तृतीय कोण प्रक्षेप
4. ✖ अग्रिम प्रक्षेप

Question Number : 130 Question Id : 184122778 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

How is the arc defined in a computer aided drafting drawing?

Options :

1. ✖ Two end points
2. ✖ Centre and radius
3. ✖ Radius and two end points
4. ✔ Two end points and centre

Question Number : 130 Question Id : 184122778 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

कंप्यूटर एडेड ड्राफ्टिंग ड्राइंग में आर्क (arc) को कैसे परिभाषित किया जाता है?

Options :

1. ✖ दो अंत्य बिंदु
2. ✖ केंद्र और त्रिज्या
3. ✖ त्रिज्या और दो अंत्य बिंदु
4. ✔ दो अंत्य बिंदु और केंद्र

Question Number : 131 Question Id : 184122779 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

What is the name of the line which passes through the focus and is perpendicular to the directrix?

Options :

1. ✔ Axis
2. ✖ Vertex
3. ✖ Circle
4. ✖ Conic

Question Number : 131 Question Id : 184122779 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

उस रेखा का क्या नाम होता है जो फोकस से होकर जाती है और नियता (directrix) पर लंबवत होती है?

Options :

1. ✓ अक्ष
2. ✗ शीर्ष
3. ✗ वृत्त
4. ✗ शंकुधर

Question Number : 132 Question Id : 184122780 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

In the drawing, hidden edges are shown by:

Options :

1. ✗ the solid lines
2. ✓ the dotted lines
3. ✗ the curve lines
4. ✗ the double lines

Question Number : 132 Question Id : 184122780 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

ड्राइंग में, अदृश्य कोरों को _____ के द्वारा दिखाया जाता है।

Options :

1. ✖ ठोस रेखाओं
2. ✔ बिंदीदार रेखाओं
3. ✖ वक्र रेखाओं
4. ✖ दोहरी पंक्तियों

Question Number : 133 Question Id : 184122781 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

In an electrical circuit, liquid crystal is used for:

Options :

1. ✖ determining gases
2. ✖ determining temp failure
3. ✔ determining potential failure
4. ✖ determining gas failure

Question Number : 133 Question Id : 184122781 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

विद्युत परिपथ में, तरल क्रिस्टल का उपयोग किस लिए किया जाता है?

Options :

1. ✖ गैसों का निर्धारण
2. ✖ अस्थायी विफलन का निर्धारण
3. ✔ विभव विफलन का निर्धारण
4. ✖ गैस विफलन का निर्धारण

Question Number : 134 Question Id : 184122782 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Which type of magnetic core is used for high frequency operated circuits?

Options :

1. ✖ Air cores
2. ✖ Plastic cores
3. ✔ Ferrite cores
4. ✖ Aluminium cores

Question Number : 134 Question Id : 184122782 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

उच्च आवृत्ति वाले परिपथों के लिए किस प्रकार के चुंबकीय कोर का उपयोग किया जाता है?

Options :

1. ✖ एयर कोर
2. ✖ प्लास्टिक कोर
3. ✔ फेराइट कोर
4. ✖ एल्युमिनियम कोर

Question Number : 135 Question Id : 184122783 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Thiourea is an element which is:

Options :

1. ✔ Pyroelectric, piezoelectric, ferro electric material
2. ✖ Pyro nonelectric, piezoelectric, ferro electric material
3. ✖ Pyroelectric, peizonon-electric, ferro electric material
4. ✖ Pyroelectric, piezoelectric, ferro non electric material

Question Number : 135 Question Id : 184122783 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

थियोरिया एक तत्व है जो _____ है।

Options :

1. ✓ पायरोइलेक्ट्रिक, पीजोइलेक्ट्रिक, फेरो इलेक्ट्रिक सामग्री
2. ✗ पायरो नॉनइलेक्ट्रिक, पीजोइलेक्ट्रिक, फेरो इलेक्ट्रिक सामग्री
3. ✗ पायरोइलेक्ट्रिक, पीजोनॉन-इलेक्ट्रिक, फेरो इलेक्ट्रिक सामग्री
4. ✗ पायरोइलेक्ट्रिक, पीजोइलेक्ट्रिक, फेरो नॉन इलेक्ट्रिक सामग्री

Question Number : 136 Question Id : 184122784 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

Plastic material is a _____ of electricity.

Options :

1. ✓ good insulator
2. ✗ good conductor
3. ✗ semi insulator
4. ✗ semi conductor

Question Number : 136 Question Id : 184122784 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

प्लास्टिक सामग्री बिजली की _____ होती है।

Options :

1. ✓ अच्छी इन्सुलेटर
2. ✗ अच्छी चालक
3. ✗ अर्ध इंसुलेटर
4. ✗ अर्धचालक

Question Number : 137 Question Id : 184122785 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

The hysteresis loop for the material of the core of a transformer should be

Options :

1. ✗ short only
2. ✓ tall and narrow
3. ✗ short and wide
4. ✗ tall only

Question Number : 137 Question Id : 184122785 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

एक ट्रांसफॉर्मर के कोर की सामग्री के लिए शैथिल्य पाश (हिस्टैरिसिस लूप) _____ होना चाहिए।

Options :

1. ✖ केवल छोटा
2. ✔ लंबा और संकीर्ण
3. ✖ छोटा और चौड़ा
4. ✖ केवल लंबा

Question Number : 138 Question Id : 184122786 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.25

A boolean function is given as $F(x,y,z) = \sum(1, 3, 6, 7)$. What is its equivalent canonical form?

Options :

1. ✔ $F(x,y,z) = \prod(0, 2, 4, 5)$ product of max terms
2. ✖ $F(x,y,z) = \prod(0, 2, 4, 5)$ product of min terms
3. ✖ $F(x,y,z) = \prod(0, 2, 4, 5)$ sum of max terms
4. ✖ $F(x,y,z) = \prod(0, 2, 3, 5)$ product of max terms

Question Number : 138 Question Id : 184122786 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.25

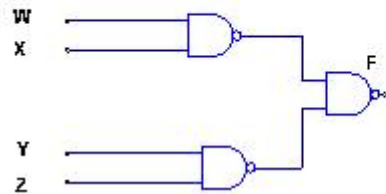
बूलीय फलन $F(x,y,z) = \sum(1, 3, 6, 7)$ के रूप में दिया गया है। इसके समतुल्य विहित रूप क्या है?

Options :

1. ✓ $F(x,y,z) = \prod (0, 2, 4, 5)$ उच्चतम पदों का गुणनफल
2. ✗ $F(x,y,z) = \prod (0, 2, 4, 5)$ लघुत्तम पदों का गुणनफल
3. ✗ $F(x,y,z) = \prod (0, 2, 4, 5)$ उच्चतम पदों का योग
4. ✗ $F(x,y,z) = \prod (0, 2, 3, 5)$ उच्चतम पदों का गुणनफल

Question Number : 139 Question Id : 184122787 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

The output F for the circuit shown below is:

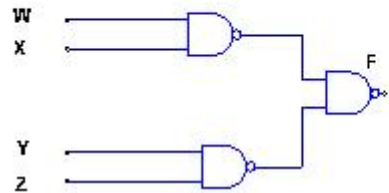


Options :

1. ✗ $F = WXYZ$
2. ✗ $F = W+X+Y+Z$
3. ✗ $F = (W+X)(Y+Z)$
4. ✓ $F = WX + YZ$

Question Number : 139 Question Id : 184122787 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.25

निम्न में प्रदर्शित परिपथ के लिए आउटपुट F क्या होगा?



Options :

1. ✗ $F = WXYZ$
2. ✗ $F = W+X+Y+Z$
3. ✗ $F = (W+X)(Y+Z)$
4. ✓ $F = WX + YZ$

Question Number : 140 Question Id : 184122788 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.25

The combination of three J-K flip flops connected in series are capable of:

Options :

1. ✗ storing one bit data
2. ✗ storing two bit data
3. ✓ storing three bit data

4. ✖ storing four bit data

Question Number : 140 Question Id : 184122788 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

श्रेणी क्रम में जुड़े हुए तीन जे-के फ्लिप फ्लॉप (J-K flip flop) के संयोजन _____ में सक्षम होते हैं।

Options :

1. ✖ एक बिट डेटा संग्रहीत करने

2. ✖ दो बिट डेटा संग्रहीत करने

3. ✔ तीन बिट डेटा संग्रहीत करने

4. ✖ चार बिट डेटा संग्रहीत करने

Discipline3

Group Number :	8
Group Id :	18412230
Group Maximum Duration :	0
Group Minimum Duration :	0
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	20
Is this Group for Examiner? :	No
Examiner permission :	Cant View

Show Progress Bar? :

No

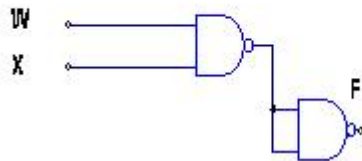
Discipline3

Section Id :	18412238
Section Number :	1
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	20
Number of Questions to be attempted :	20
Section Marks :	20
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	18412246
Question Shuffling Allowed :	Yes

Question Number : 141 Question Id : 184122789 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

The below figure is a _____ gate.



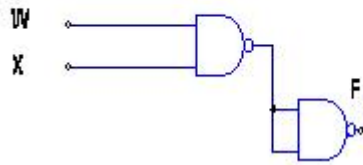
Options :

1. ✘ NAND
2. ✘ OR
3. ✔ AND

4. ✖ NOT

Question Number : 141 Question Id : 184122789 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.25

निम्न आकृति _____ गेट है।



Options :

1. ✖ NAND

2. ✖ OR

3. ✔ AND

4. ✖ NOT

Question Number : 142 Question Id : 184122790 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.25

If a BJT has to work as an amplifier, then it has to work in the:

Options :

1. ✖ saturation region

2. ✓ active region

3. ✗ cut-off region

4. ✗ space region

Question Number : 142 Question Id : 184122790 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

यदि बीजेटी (BJT) को एक एम्प्लीफायर के रूप में कार्य करना हो, तो इसे _____ में कार्य करना होगा।

Options :

1. ✗ संतृप्त क्षेत्र

2. ✓ सक्रिय क्षेत्र

3. ✗ अंतक क्षेत्र

4. ✗ समष्टि क्षेत्र

Question Number : 143 Question Id : 184122791 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

For transconductance amplifier, input and output resistances are, respectively:

Options :

1. ✗ ∞ and 0

2. ✗ 0 and ∞

3. ✖ 0 and 0

4. ✔ ∞ and ∞

Question Number : 143 Question Id : 184122791 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

ट्रांसकंडक्टेंस एम्पलीफायर (अंतराचालकता प्रवर्धक) के लिए, इनपुट और आउटपुट प्रतिरोध क्रमशः _____ होते हैं।

Options :

1. ✖ ∞ और 0

2. ✖ 0 और ∞

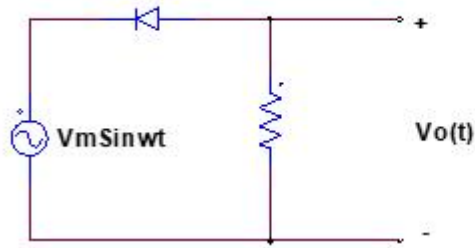
3. ✖ 0 और 0

4. ✔ ∞ और ∞

Question Number : 144 Question Id : 184122792 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

In the below circuit, the average value of $V_o(t)$ is:

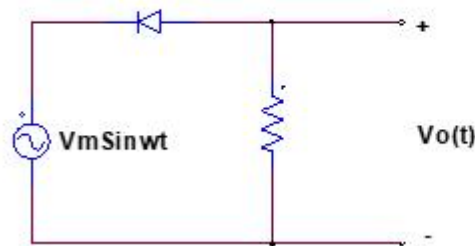


Options :

1. ✖ 0
2. ✔ $-V_m/\pi$
3. ✖ $-V_m/\sqrt{2}$
4. ✖ $-V_m$

Question Number : 144 Question Id : 184122792 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.25

निम्न परिपथ में, $V_o(t)$ का औसत मान क्या है?



Options :

1. ✖ 0

2. ✓ $-V_m/\pi$

3. ✗ $-V_m/\sqrt{2}$

4. ✗ $-V_m$

Question Number : 145 Question Id : 184122793 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

How many memory locations can be addressed by an 8085 microprocessor?

Options :

1. ✗ 16K

2. ✗ 32K

3. ✓ 64K

4. ✗ 128K

Question Number : 145 Question Id : 184122793 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

8085 माइक्रोप्रोसेसर द्वारा कितने मेमोरी स्थानों को संबोधित किया जा सकता है?

Options :

1. ✗ 16K

2. ✗ 32K

3. ✓ 64K

4. ✗ 128K

Question Number : 146 Question Id : 184122794 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

The binary equivalent of octal number 627 is:

Options :

1. ✓ 110010111

2. ✗ 011010111

3. ✗ 110010110

4. ✗ 111010110

Question Number : 146 Question Id : 184122794 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

अष्टाधारी संख्या 627 का द्विआधारी समतुल्य _____ है।

Options :

1. ✓ 110010111

2. ✗ 011010111

3. ✗ 110010110

4. ✖ 111010110

Question Number : 147 Question Id : 184122795 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

A byte is a group of:

Options :

1. ✖ 2 bits

2. ✖ 4 bits

3. ✔ 8 bits

4. ✖ 16 bits

Question Number : 147 Question Id : 184122795 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

एक बाइट _____ का समूह होता है।

Options :

1. ✖ 2 बिट

2. ✖ 4 बिट

3. ✔ 8 बिट

4. ✖ 16 बिट

Question Number : 148 Question Id : 184122796 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

Which of the following is called universal gate?

Options :

1. ✖ only NAND
2. ✖ only NOR
3. ✖ NAND, OR
4. ✔ NAND, NOR

Question Number : 148 Question Id : 184122796 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

निम्न में से कौन सा यूनिवर्सल गेट कहलाता है?

Options :

1. ✖ केवल NAND
2. ✖ केवल NOR
3. ✖ NAND, OR
4. ✔ NAND, NOR

Question Number : 149 Question Id : 184122797 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

In Boolean algebra $A+(B.C)=?$

Options :

1. ✖ $A.B+A.C$
2. ✔ $(A+B).(A+C)$
3. ✖ $A.B+C$
4. ✖ $A.(B+C)$

Question Number : 149 Question Id : 184122797 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

बूलिय बीजगणित में $A+(B.C)=$ क्या होगा?

Options :

1. ✖ $A.B+A.C$
2. ✔ $(A+B).(A+C)$
3. ✖ $A.B+C$
4. ✖ $A.(B+C)$

Question Number : 150 Question Id : 184122798 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

_____ is the device having 1 input and N outputs.

Options :

1. ✖ Shift register
2. ✔ De-multiplexer
3. ✖ Multiplexer
4. ✖ Counter

Question Number : 150 Question Id : 184122798 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

_____ 1 इनपुट और N आउटपुट वाली डिवाइस होती है।

Options :

1. ✖ शिफ्ट रजिस्टर
2. ✔ डी-मल्टीप्लेक्सर
3. ✖ मल्टीप्लेक्सर
4. ✖ काउंटर

Question Number : 151 Question Id : 184122799 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

An 8085 microprocessor has _____ address lines.

Options :

- 1. ✖ 8
- 2. ✖ 10
- 3. ✖ 32
- 4. ✔ 16

Question Number : 151 Question Id : 184122799 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

एक 8085 माइक्रोप्रोसेसर में _____ एड्रेस लाइन होती हैं।

Options :

- 1. ✖ 8
- 2. ✖ 10
- 3. ✖ 32
- 4. ✔ 16

Question Number : 152 Question Id : 184122800 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

A two-way switch is used for controlling:

Options :

1. ✓ one bulb from 2 points
2. ✗ one bulb from 1 point
3. ✗ multiple bulbs from 2 points
4. ✗ two bulbs from 2 points

Question Number : 152 Question Id : 184122800 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

द्वि-पथी स्विच _____ नियंत्रित करने के लिए इस्तेमाल किया जाता है।

Options :

1. ✓ 2 बिंदुओं से एक बल्ब
2. ✗ 1 बिंदु से एक बल्ब
3. ✗ 2 बिंदुओं से कई बल्ब
4. ✗ 2 बिंदुओं से दो बल्ब

Question Number : 153 Question Id : 184122801 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

A commonly used material for winding of an electrical machine is:

Options :

1. ✖ aluminium
2. ✔ enamelled copper
3. ✖ hard drawn copper
4. ✖ silver

Question Number : 153 Question Id : 184122801 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

विद्युत मशीन की वाइंडिंग के लिए आमतौर पर इस्तेमाल की जाने वाली सामग्री इनमें से कौन सी है?

Options :

1. ✖ एल्युमीनियम
2. ✔ इन्वैल किया हुआ तांबा
3. ✖ कठोर कर्षित तांबा
4. ✖ चांदी

Question Number : 154 Question Id : 184122802 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Which of the following magnetic materials is used for a transformer?

Options :

1. ✖ Copper
2. ✖ Cast steel
3. ✔ Cold rolled grain-oriented steel
4. ✖ Hot rolled silicon steel

Question Number : 154 Question Id : 184122802 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.25

ट्रांसफॉर्मर के लिए निम्नलिखित में से किस चुंबकीय पदार्थ का उपयोग किया जाता है?

Options :

1. ✖ तांबा
2. ✖ ढलवां इस्पात
3. ✔ कोल्ड रोल्ड ग्रेन-ओरिएंटेड स्टील
4. ✖ हॉट रोल्ड सिलिकॉन स्टील

Question Number : 155 Question Id : 184122803 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.25

_____ is the cheapest wiring system.

Options :

1. ✔ Cleat

2. ✖ Casing/Capping

3. ✖ Metal sheathed

4. ✖ Conduit

Question Number : 155 Question Id : 184122803 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

_____ सबसे सस्ता वायरिंग सिस्टम है।

Options :

1. ✔ क्लीट

2. ✖ केसिंग / कैपिंग

3. ✖ मेटल शीथड

4. ✖ कॉन्डुइट

Question Number : 156 Question Id : 184122804 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

How many power socket outlets are permitted in a power sub circuit as per IE rule?

Options :

1. ✖ 1

2. ✓ 2

3. ✗ 3

4. ✗ 4

Question Number : 156 Question Id : 184122804 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.25

IE नियम के अनुसार पाँवर सब सर्किट में कितने पाँवर सॉकेट आउटलेट की अनुमति है?

Options :

1. ✗ 1

2. ✓ 2

3. ✗ 3

4. ✗ 4

Question Number : 157 Question Id : 184122805 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.25

Multi step core in a transformer is used to:

Options :

1. ✓ decrease the cost of copper

2. ✗ decrease the cost of core

3. ✖ decrease the voltage regulation
4. ✖ increase the efficiency

Question Number : 157 Question Id : 184122805 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

एक ट्रांसफॉर्मर में मल्टी स्टेप कोर का उपयोग किसलिए किया जाता है?

Options :

1. ✔ तांबे की लागत में कमी करने
2. ✖ कोर की लागत में कमी करने
3. ✖ वोल्टेज विनियमन में कमी करने
4. ✖ दक्षता में वृद्धि करने

Question Number : 158 Question Id : 184122806 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Thickness of lamination in a transformer is usually between:

Options :

1. ✖ 0.1 mm to 0.2 mm
2. ✖ 0.1 mm to 0.35 mm
3. ✔ 0.35 mm to 0.5 mm

4. ✖ 0.5 mm to 1.2 mm

Question Number : 158 Question Id : 184122806 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

एक ट्रॉसफॉर्मर में लेमिनेशन की मोटाई आमतौर पर _____ होती है।

Options :

1. ✖ 0.1 mm से 0.2 mm

2. ✖ 0.1 mm से 0.35 mm

3. ✔ 0.35 mm से 0.5 mm

4. ✖ 0.5 mm से 1.2 mm

Question Number : 159 Question Id : 184122807 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

Which of the following power plants has the lowest running cost?

Options :

1. ✔ Hydro power plant

2. ✖ Nuclear power plant

3. ✖ Diesel power plant

4. ✖ Thermal power plant

Question Number : 159 Question Id : 184122807 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित में से किस बिजली संयंत्र की परिचालन लागत सबसे कम होती है?

Options :

1. ✔ हाइड्रो पावर प्लांट
2. ✖ न्यूक्लियर पावर प्लांट
3. ✖ डीज़ल पावर प्लांट
4. ✖ थर्मल पावर प्लांट

Question Number : 160 Question Id : 184122808 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Penstocks in hydro power plant are saved from any damage by:

Options :

1. ✖ reservoir
2. ✔ surge tank
3. ✖ dam
4. ✖ water turbine

Question Number : 160 Question Id : 184122808 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

हाइड्रो पावर प्लांट में पेनस्टॉक्स को किसी भी नुकसान से _____ के द्वारा बचाया जाता है।

Options :

1. ✖ जलाशय
2. ✔ सर्ज टैंक
3. ✖ बांध
4. ✖ वॉटर टर्बाइन

Discipline4

Group Number :	9
Group Id :	18412231
Group Maximum Duration :	0
Group Minimum Duration :	0
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	20
Is this Group for Examiner? :	No
Examiner permission :	Cant View
Show Progress Bar? :	No

Discipline4

Section Id :	18412239
Section Number :	1
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	20
Number of Questions to be attempted :	20
Section Marks :	20
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	18412247
Question Shuffling Allowed :	Yes

Question Number : 161 Question Id : 184122809 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

The oldest nuclear power plant installed in India is:

Options :

1. ✖ Kakrapar (Gujrat)
2. ✖ Kota (Rajasthan)
3. ✔ Tarapur (Maharashtra)
4. ✖ Kalpakkam (Tamil Nadu)

Question Number : 161 Question Id : 184122809 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

भारत में स्थापित सबसे पुराना नाभिकीय ऊर्जा संयंत्र कौन सा है?

Options :

1. ✖ काकरापार (गुजरात)
2. ✖ कोटा (राजस्थान)
3. ✔ तारापुर (महाराष्ट्र)
4. ✖ कलपक्कम (तमिलनाडु)

Question Number : 162 Question Id : 184122810 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Which of the following is a commonly used material in solar cells?

Options :

1. ✖ Copper
2. ✖ Aluminium
3. ✖ Germanium
4. ✔ Silicon

Question Number : 162 Question Id : 184122810 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

सौर सेल में आमतौर पर इस्तेमाल किया जाने वाला पदार्थ निम्नलिखित में से कौन सा है?

Options :

1. ✖ तांबा
2. ✖ एल्युमीनियम
3. ✖ जर्मेनियम
4. ✔ सिलिकॉन

Question Number : 163 Question Id : 184122811 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.25

In a transformer, Buchholz relay is located in the:

Options :

1. ✔ pipe connecting the transformer tank and the conservator tank
2. ✖ transformer tank
3. ✖ circuit breaker
4. ✖ conservator tank

Question Number : 163 Question Id : 184122811 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.25

एक ट्रांसफॉर्मर में, बुकहोल्ट्ज़ रिले _____ में स्थित होता है।

Options :

1. ✓ ट्रांसफॉर्मर टैंक और कंज़र्वेटर टैंक को जोड़ने वाले पाइप
2. ✗ ट्रांसफॉर्मर टैंक
3. ✗ परिपथ वियोजक
4. ✗ कंज़र्वेटर टैंक

Question Number : 164 Question Id : 184122812 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

As per IE rule, a supplier is not permitted to vary the declared frequency of AC by more than:

Options :

1. ✗ 1%
2. ✗ 5%
3. ✓ 3%
4. ✗ 10%

Question Number : 164 Question Id : 184122812 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

आईई (IE) नियम के अनुसार, आपूर्तिकर्ता को एसी (AC) की घोषित आवृत्ति में _____ से अधिक परिवर्तन करने की अनुमति नहीं है।

Options :

- 1. ✖ 1%
- 2. ✖ 5%
- 3. ✔ 3%
- 4. ✖ 10%

Question Number : 165 Question Id : 184122813 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.25

An alternator gives output at the standard frequency. This frequency can be decreased by:

Options :

- 1. ✖ increasing the field current
- 2. ✖ decreasing the field current
- 3. ✖ increasing the speed of the field
- 4. ✔ decreasing the speed of the field

Question Number : 165 Question Id : 184122813 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.25

एक अल्टरनेटर मानक आवृत्ति पर आउटपुट देता है। इस आवृत्ति को इनमें से किसके द्वारा कम किया जा सकता है?

Options :

1. ✖ क्षेत्र धारा में वृद्धि करके
2. ✖ क्षेत्र धारा में कमी करके
3. ✖ क्षेत्र गति में वृद्धि करके
4. ✔ क्षेत्र गति में कमी करके

Question Number : 166 Question Id : 184122814 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

In maximum power transfer theorem, load R_L will draw maximum power when:

Options :

1. ✔ $R_L = R_{Th}$
2. ✖ $R_L > R_{Th}$
3. ✖ $R_L < R_{Th}$
4. ✖ $2R_L = R_{Th}$

Question Number : 166 Question Id : 184122814 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

अधिकतम शक्ति स्थानांतरण प्रमेय में, लोड R_L तब अधिकतम शक्ति कर्षित करेगा, जब _____ हो।

Options :

1. ✓ $R_L = R_{Th}$

2. ✗ $R_L > R_{Th}$

3. ✗ $R_L < R_{Th}$

4. ✗ $2R_L = R_{Th}$

Question Number : 167 Question Id : 184122815 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

For calculating Norton's current in Norton's theorem, load terminals:

Options :

1. ✓ are short circuited

2. ✗ are open circuited

3. ✗ remain connected with the load

4. ✗ are interchanged

Question Number : 167 Question Id : 184122815 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

नॉर्टन के प्रमेय में नॉर्टन की धारा की गणना के लिए, लोड टर्मिनल _____।

Options :

1. ✓ शॉर्ट सर्किट होते हैं
2. ✗ खुले सर्किट होते हैं
3. ✗ लोड के साथ जुड़े रहते हैं
4. ✗ अंतर्परिवर्तित होते हैं

Question Number : 168 Question Id : 184122816 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

Total reactance will be zero for an induction coil having capacitance when:

Options :

1. ✗ $LC = \omega^2$
2. ✗ $LC = 1$
3. ✗ $L = C$
4. ✓ $LC = 1/\omega^2$

Question Number : 168 Question Id : 184122816 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

कैपेसिटेंस वाले इंडक्शन कॉइल के लिए कुल प्रतिघात _____ होने पर शून्य होगा।

Options :

1. ✖ $LC = \omega^2$

2. ✖ $LC = 1$

3. ✖ $L = C$

4. ✔ $LC = 1/\omega^2$

Question Number : 169 Question Id : 184122817 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

In an R-L-C series circuit resonant frequency is f Hz. If the values of all the components are doubled, then the new resonant frequency is:

Options :

1. ✖ f

2. ✖ $2f$

3. ✔ $f/2$

4. ✖ $f/4$

Question Number : 169 Question Id : 184122817 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

R-L-C श्रेणी परिपथ में अनुनादी आवृत्ति f Hz है। यदि सभी घटकों के मानों को दोगुना कर दिया जाता है, तो नई अनुनादी आवृत्ति कितनी होगी?

Options :

1. ✖ f

2. ✖ 2f

3. ✔ f/2

4. ✖ f/4

Question Number : 170 Question Id : 184122818 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

A current source of 5 A with 2 ohms parallel resistance is equivalent to a voltage source of _____ volts with 2 ohms series resistance.

Options :

1. ✖ 5

2. ✔ 10

3. ✖ 2

4. ✖ 2.5

Question Number : 170 Question Id : 184122818 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

2 ओम समानांतर प्रतिरोध वाला 5 A का धारा स्रोत 2 ओम श्रेणी प्रतिरोध वाले _____ वोल्ट के वोल्टेज स्रोत के समतुल्य होता है।

Options :

1. ✖ 5

2. ✔ 10

3. ✖ 2

4. ✖ 2.5

Question Number : 171 Question Id : 184122819 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

The frequency of an alternating current given by $I = 50\sin 157t$ is:

Options :

1. ✖ 157 Hz

2. ✖ 78.5 Hz

3. ✖ 50 Hz

4. ✔ 25 Hz

Question Number : 171 Question Id : 184122819 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

$I = 50\sin 157t$ के द्वारा दी गई प्रत्यावर्ती धारा की आवृत्ति _____ होगी।

Options :

1. ✖ 157 Hz

2. ✖ 78.5 Hz

3. ✖ 50 Hz

4. ✔ 25 Hz

Question Number : 172 Question Id : 184122820 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

In measurement of 3 phase power by the two-wattmeter method of a balanced load, the power factor is given by:

Options :

1. ✔ $\cos \left\{ \tan^{-1} \left[\sqrt{3} \left(\frac{W_2 - W_1}{W_1 + W_2} \right) \right] \right\}$

2. ✖ $\cos \left\{ \tan^{-1} \left[\sqrt{3} \left(\frac{W_2 + W_1}{W_1 - W_2} \right) \right] \right\}$

3. ✖ $\cos \left\{ \tan^{-1} \left(\frac{W_2 + W_1}{W_1 - W_2} \right) \right\}$

4. ✖ $\cos \left\{ \tan^{-1} \left[3 \left(\frac{W_2 - W_1}{W_1 + W_2} \right) \right] \right\}$

Question Number : 172 Question Id : 184122820 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

संतुलित लोड की दो वाटमीटर विधि द्वारा 3-फेज़ शक्ति के मापन में, शक्ति गुणक _____ के द्वारा दिया जाता है?

Options :

1. ✓ $\cos \left\{ \tan^{-1} \left[\sqrt{3} \left(\frac{W_2 - W_1}{W_1 + W_2} \right) \right] \right\}$

2. ✗ $\cos \left\{ \tan^{-1} \left[\sqrt{3} \left(\frac{W_2 + W_1}{W_1 - W_2} \right) \right] \right\}$

3. ✗ $\cos \left\{ \tan^{-1} \left(\frac{W_2 + W_1}{W_1 - W_2} \right) \right\}$

4. ✗ $\cos \left\{ \tan^{-1} \left[3 \left(\frac{W_2 - W_1}{W_1 + W_2} \right) \right] \right\}$

Question Number : 173 Question Id : 184122821 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.25

_____ is used for finding the direction of a DC motor rotation.

Options :

- 1. ✗ Faraday's law
- 2. ✗ Fleming's right-hand rule
- 3. ✓ Fleming's left-hand rule
- 4. ✗ Newton's law

Question Number : 173 Question Id : 184122821 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

डीसी (DC) मोटर के घूमने की दिशा ज्ञात करने के लिए _____ का उपयोग किया जाता है।

Options :

1. ✖ फैराडे के नियम
2. ✖ फ्लेमिंग के दाहिने हाथ के नियम
3. ✔ फ्लेमिंग के वामहस्त नियम
4. ✖ न्यूटन के नियम

Question Number : 174 Question Id : 184122822 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

In a transformer, iron losses occur in:

Options :

1. ✖ winding
2. ✔ core
3. ✖ oil
4. ✖ bushings

Question Number : 174 Question Id : 184122822 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

किसी ट्रांसफॉर्मर में, लौह हानियां _____ में होती हैं।

Options :

1. ✖ वाइंडिंग
2. ✔ क्रोड
3. ✖ ऑयल
4. ✖ बशिंग (बुशिंग)

Question Number : 175 Question Id : 184122823 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

A 4 pole 50 Hz synchronous motor runs at:

Options :

1. ✔ 1500 rpm
2. ✖ 3000 rpm
3. ✖ 750 rpm
4. ✖ 1440 rpm

Question Number : 175 Question Id : 184122823 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

4-पोल 50 Hz सिंक्रोनस मोटर _____ पर चलता है।

Options :

1. ✓ 1500 rpm
2. ✗ 3000 rpm
3. ✗ 750 rpm
4. ✗ 1440 rpm

Question Number : 176 Question Id : 184122824 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

In an alternator at zero power factor leading, the armature reaction is:

Options :

1. ✓ magnetising
2. ✗ demagnetising
3. ✗ distorting
4. ✗ no affect

Question Number : 176 Question Id : 184122824 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

शून्य शक्ति गुणक अग्रवर्ती पर एक अल्टरनेटर में, आर्मेचर प्रतिक्रिया _____ होती है।

Options :

1. ✓ चुंबकीय
2. ✗ विचुंबकीय
3. ✗ विरूपी
4. ✗ कोई प्रभाव नहीं

Question Number : 177 Question Id : 184122825 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Series-parallel speed control method used in traction system gives a speed range of about:

Options :

1. ✗ 1 : 5
2. ✓ 1 : 4
3. ✗ 1 : 3
4. ✗ 1 : 2

Question Number : 177 Question Id : 184122825 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

कर्षण प्रणाली में प्रयुक्त श्रेणी-समानांतर गति नियंत्रण विधि लगभग _____ की गति सीमा देती है।

Options :

1. ✖ 1: 5

2. ✔ 1: 4

3. ✖ 1: 3

4. ✖ 1: 2

Question Number : 178 Question Id : 184122826 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

The effect of increased rotor resistance in an induction motor on torque and speed is that the:

Options :

1. ✖ max torque occurs at higher speed

2. ✖ max torque occurs at synchronous speed

3. ✔ max torque occurs at lower speed

4. ✖ max torque occurs at the same speed

Question Number : 178 Question Id : 184122826 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

एक प्रेरण मोटर में बड़े हुए रोटार प्रतिरोध का बलाघूर्ण और गति पर प्रभाव यह है कि _____।

Options :

1. ✖ अधिकतम बलाघूर्ण उच्च गति पर होता है

2. ✖ अधिकतम बलाघूर्ण तुल्यकालिक गति पर होता है
3. ✔ अधिकतम बलाघूर्ण कम गति पर होता है
4. ✖ अधिकतम बलाघूर्ण समान गति पर होता है

Question Number : 179 Question Id : 184122827 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

If one of the transformers in $\Delta - \Delta$ bank is disabled, the system can continue to operate at a reduced capacity of:

Options :

1. ✔ 57.7%
2. ✖ 66.7%
3. ✖ 50%
4. ✖ 73.6%

Question Number : 179 Question Id : 184122827 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

यदि $\Delta - \Delta$ बैंक में एक ट्रांसफॉर्मर अक्षम है, तो सिस्टम _____ की न्यूनीकृत क्षमता पर काम करना जारी रख सकता है।

Options :

1. ✔ 57.7%

2. ✖ 66.7%

3. ✖ 50%

4. ✖ 73.6%

Question Number : 180 Question Id : 184122828 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Holding current I_H in a thyristor is:

Options :

1. ✖ equal to zero

2. ✔ less than latching current I_L

3. ✖ more than latching current I_L

4. ✖ equal to latching current I_L

Question Number : 180 Question Id : 184122828 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

किसी थायरिस्टर में धारक धारा I_H _____ होती है।

Options :

1. ✖ शून्य के बराबर

2. ✓ लैचिंग धारा I_L से कम
3. ✗ लैचिंग धारा I_L से अधिक
4. ✗ लैचिंग धारा I_L के बराबर

Discipline5

Group Number :	10
Group Id :	18412232
Group Maximum Duration :	0
Group Minimum Duration :	120
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	20
Is this Group for Examiner? :	No
Examiner permission :	Cant View
Show Progress Bar? :	No

Discipline5

Section Id :	18412240
Section Number :	1
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	20
Number of Questions to be attempted :	20
Section Marks :	20
Enable Mark as Answered Mark for Review and Clear Response :	Yes

Maximum Instruction Time : 0
Sub-Section Number : 1
Sub-Section Id : 18412248
Question Shuffling Allowed : Yes

Question Number : 181 Question Id : 184122829 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

The relationship between α and β parameters of a transistor is given by:

Options :

1. ✖ $\alpha = \frac{1 - \beta}{\beta}$

2. ✖ $\alpha = \frac{1 + \beta}{\beta}$

3. ✖ $\alpha = \frac{\beta}{1 - \beta}$

4. ✔ $\alpha = \frac{\beta}{1 + \beta}$

Question Number : 181 Question Id : 184122829 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

किसी ट्रांजिस्टर के α और β प्राचलों के मध्य संबंध इनमें से किसके द्वारा दिया जाता है?

Options :

1. ✖ $\alpha = \frac{1 - \beta}{\beta}$

2. ✖ $\alpha = \frac{1 + \beta}{\beta}$

3. ✖ $\alpha = \frac{\beta}{1 - \beta}$

4. ✔ $\alpha = \frac{\beta}{1 + \beta}$

Question Number : 182 Question Id : 184122830 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

The forbidden energy gap of silicon is:

Options :

1. ✔ 1.1 eV

2. ✖ 1.72 eV

3. ✖ 1.33 eV

4. ✖ 0.7 eV

Question Number : 182 Question Id : 184122830 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

सिलिकॉन का वर्जित ऊर्जा-अंतराल _____ होता है।

Options :

1. ✓ 1.1 eV
2. ✗ 1.72 eV
3. ✗ 1.33 eV
4. ✗ 0.7 eV

Question Number : 183 Question Id : 184122831 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.25

_____ is the device that has the characteristics of both Bipolar Junction Transistor and MOSFET.

Options :

1. ✓ IGBT
2. ✗ FCT
3. ✗ GTO
4. ✗ MCT

Question Number : 183 Question Id : 184122831 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.25

_____ वह डिवाइस है जिसमें बाइपोलर जंक्शन ट्रांजिस्टर और मॉस्फेट (MOSFET) दोनों की विशेषताएं होती हैं।

Options :

1. ✓ IGBT

2. ✗ FCT

3. ✗ GTO

4. ✗ MCT

Question Number : 184 Question Id : 184122832 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Direct coupled amplifiers are used to amplify which of the following?

Options :

1. ✗ RF signals

2. ✗ Audio frequency signals

3. ✓ Very low frequency signals

4. ✗ Very high frequency signals

Question Number : 184 Question Id : 184122832 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित में से किसे प्रवर्धित करने के लिए प्रत्यक्ष युग्मित प्रवर्धकों का उपयोग किया जाता है?

Options :

1. ✗ आरएफ (RF) संकेतों

2. ✖ ऑडियो आवृत्ति संकेतों
3. ✔ बहुत निम्न आवृत्ति संकेतों
4. ✖ बहुत उच्च आवृत्ति संकेतों

Question Number : 185 Question Id : 184122833 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

For an SCR, $\frac{di}{dt}$ protection is achieved by the use of:

Options :

1. ✖ R-L in series with SCR
2. ✖ R-C across SCR
3. ✖ R in series with SCR
4. ✔ L in series with SCR

Question Number : 185 Question Id : 184122833 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

एक SCR के लिए, $\frac{di}{dt}$ प्रक्षेपण _____ के उपयोग द्वारा प्राप्त किया जाता है।

Options :

1. ✖ SCR के साथ श्रेणी क्रम में R-L

- 2. ✖ SCR में R-C
- 3. ✖ SCR के साथ श्रेणी क्रम में R
- 4. ✔ SCR के साथ श्रेणी क्रम में L

Question Number : 186 Question Id : 184122834 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

In a series inverter circuit, the condition for an underdamped in an oscillator is:

Options :

- 1. ✔ $R^2 < 4L/C$
- 2. ✖ $R^2 > 4L/C$
- 3. ✖ $R^2 = 4L/C$
- 4. ✖ $R^2 > L/4C$

Question Number : 186 Question Id : 184122834 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

एक सिरीज़ इन्वर्टर सर्किट में, एक ऑसिलेटर में न्यून अवमंदित के लिए इनमें से कौन-सी शर्त होनी चाहिए?

Options :

- 1. ✔ $R^2 < 4L/C$

2. ✖ $R^2 > 4L/C$

3. ✖ $R^2 = 4L/C$

4. ✖ $R^2 > L/4C$

Question Number : 187 Question Id : 184122835 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

_____ is a passive transducer.

Options :

1. ✖ Tachogenerator

2. ✖ Thermocouple

3. ✖ Solar cell

4. ✔ LVDT

Question Number : 187 Question Id : 184122835 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

_____ एक निष्क्रिय ट्रांसड्यूसर है।

Options :

1. ✖ टैकोजेनरेटर

2. ✖ थर्मोकपल

3. ✖ सौर सेल

4. ✔ एलवीडीटी (LVDT)

Question Number : 188 Question Id : 184122836 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Output impedance of an ideal OP-AMP is:

Options :

1. ✔ zero

2. ✖ infinite

3. ✖ 50

4. ✖ 5000

Question Number : 188 Question Id : 184122836 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

एक आदर्श ओपी-एएमपी (OP-AMP) की आउटपुट प्रतिबाधा कितनी होती है?

Options :

1. ✔ शून्य

2. ✖ अनंत

3. ✖ 50

4. ✖ 5000

Question Number : 189 Question Id : 184122837 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.25

In CRO the signal to be observed on the screen is applied across:

Options :

1. ✖ accelerating anode

2. ✖ focusing anode

3. ✖ X-plates

4. ✔ Y-plates

Question Number : 189 Question Id : 184122837 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.25

सीआरओ (CRO) में स्क्रीन पर देखे जाने वाले सिग्नल को _____ में अनुप्रयुक्त किया जाता है।

Options :

1. ✖ त्वरणशील एनोड

2. ✖ फोकसिंग एनोड

3. ✖ X-प्लेट्स

4. ✓ Y-प्लेट्स

Question Number : 190 Question Id : 184122838 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

In a PMMC instrument, the deflecting torque is proportional to:

Options :

1. ✓ I

2. ✗ I^3

3. ✗ I^2

4. ✗ $\sqrt{I}$

Question Number : 190 Question Id : 184122838 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

एक पीएमएमसी (PMMC) उपकरण में, विक्षेपक बलाघूर्ण _____ के आनुपातिक होता है।

Options :

1. ✓ I

2. ✗ I^3

3. ✗ I^2

4. ✖ $\sqrt{I}$

Question Number : 191 Question Id : 184122839 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

For a semiconductor strain gauge, the value of gauge factor is:

Options :

1. ✖ 2

2. ✖ 100

3. ✔ 140

4. ✖ 190

Question Number : 191 Question Id : 184122839 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

सेमीकंडक्टर स्ट्रेन गेज के लिए, गेज फैक्टर का मान _____ होता है।

Options :

1. ✖ 2

2. ✖ 100

3. ✔ 140

4. ✖ 190

Question Number : 192 Question Id : 184122840 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

For measuring 3 phase power by the 2 wattmeter method, if one of the two wattmeters indicates zero reading, then load power factor is:

Options :

1. ✓ 0.5
2. ✗ zero
3. ✗ unity
4. ✗ 0.75

Question Number : 192 Question Id : 184122840 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

2 वाटमीटर विधि द्वारा 3-फेज़ पावर मापने के लिए, यदि दो वाटमीटरों में से एक शून्य रीडिंग इंगित करता है, तो लोड शक्ति गुणक _____ होगा।

Options :

1. ✓ 0.5
2. ✗ शून्य
3. ✗ एकांक
4. ✗ 0.75

Question Number : 193 Question Id : 184122841 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

The expression for resistance R of a thermistor at a temperature T can be given by:

Options :

1. ✓ $R = \alpha e^{\beta/T}$
2. ✗ $R = -\alpha e^{\beta/T}$
3. ✗ $R = \alpha e^{-\beta/T}$
4. ✗ $R = \alpha e^{\beta T}$

Question Number : 193 Question Id : 184122841 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

तापमान T पर किसी थर्मिस्टर का प्रतिरोध R के लिए व्यंजक _____ के द्वारा दिया जा सकता है।

Options :

1. ✓ $R = \alpha e^{\beta/T}$
2. ✗ $R = -\alpha e^{\beta/T}$
3. ✗ $R = \alpha e^{-\beta/T}$
4. ✗ $R = \alpha e^{\beta T}$

Question Number : 194 Question Id : 184122842 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

A three phase, four wire system is used in:

Options :

1. ✖ primary distribution
2. ✔ secondary distribution
3. ✖ primary transmission
4. ✖ secondary transmission

Question Number : 194 Question Id : 184122842 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

3-फेज़, 4-वायर सिस्टम _____ में इस्तेमाल किया जाता है।

Options :

1. ✖ प्राथमिक वितरण
2. ✔ द्वितीयक वितरण
3. ✖ प्राथमिक पारेषण
4. ✖ माध्यमिक पारेषण

Question Number : 195 Question Id : 184122843 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

The maximum value of power factor is:

Options :

- 1. ✖ 100
- 2. ✖ 10
- 3. ✔ 1
- 4. ✖ 0.1

Question Number : 195 Question Id : 184122843 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

शक्ति गुणक का अधिकतम मान _____ होता है।

Options :

- 1. ✖ 100
- 2. ✖ 10
- 3. ✔ 1
- 4. ✖ 0.1

Question Number : 196 Question Id : 184122844 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

33 kV is suitable for transmission of power for the distance of:

Options :

1. ✖ 15-30 km
2. ✔ 30-60 km
3. ✖ 60-100 km
4. ✖ 100-200 km

Question Number : 196 Question Id : 184122844 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

33 kV _____ दूरी तक विद्युत पारेषण के लिए उपयुक्त होती है।

Options :

1. ✖ 15-30 km
2. ✔ 30-60 km
3. ✖ 60-100 km
4. ✖ 100-200 km

Question Number : 197 Question Id : 184122845 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

The steel wire in an ACSR bundle is used to:

Options :

1. ✓ provide additional mechanical strength
2. ✗ provide extra inductance
3. ✗ reduce inductance
4. ✗ compensate for skin effect

Question Number : 197 Question Id : 184122845 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.25

एसीएसआर (ACSR) बंडल में स्टील का तार इनमें से किसलिए इस्तेमाल किया जाता है?

Options :

1. ✓ अतिरिक्त यांत्रिक शक्ति प्रदान करने के लिए
2. ✗ अतिरिक्त प्रेरकत्व प्रदान करने के लिए
3. ✗ प्रेरकत्व कम करने के लिए
4. ✗ त्वचीय प्रभाव की क्षतिपूर्ति के लिए

Question Number : 198 Question Id : 184122846 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.25

Stringing chart is used for:

Options :

1. ✖ finding the distance between towers
2. ✖ the design of insulator string
3. ✖ the design of tower
4. ✔ finding the sag

Question Number : 198 Question Id : 184122846 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

स्ट्रिंग चार्ट का उपयोग _____ के लिए किया जाता है।

Options :

1. ✖ टॉवरों के बीच की दूरी ज्ञात करने
2. ✖ इन्सुलेटर स्ट्रिंग के डिज़ाइन
3. ✖ टॉवर के डिज़ाइन
4. ✔ आनमन (झोल) ज्ञात करने

Question Number : 199 Question Id : 184122847 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

For a medium transmission line, constant A is:

Options :

1. ✖ equal to C
2. ✔ equal to D
3. ✖ equal to B
4. ✖ equal to B and C

Question Number : 199 Question Id : 184122847 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

एक मध्यम पारेषण लाइन के लिए, स्थिरांक A _____ होता है।

Options :

1. ✖ C के बराबर
2. ✔ D के बराबर
3. ✖ B के बराबर
4. ✖ B और C के बराबर

Question Number : 200 Question Id : 184122848 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

For a lossless transmission line, the surge impedance is given by:

Options :

1. ✖ $\sqrt{LC}$

2. ✖ $\sqrt{C/L}$

3. ✔ $\sqrt{L/C}$

4. ✖ $\sqrt{1/LC}$

Question Number : 200 Question Id : 184122848 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

हानिरहित पारेषण लाइन के लिए, प्रोत्कर्ष प्रतिबाधा _____ के द्वारा दी जाती है।

Options :

1. ✖ $\sqrt{LC}$

2. ✖ $\sqrt{C/L}$

3. ✔ $\sqrt{L/C}$

4. ✖ $\sqrt{1/LC}$