

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 (Electrical)
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

Discipline1

Group Number :	1
Group Id :	753229686
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 :	753229862
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 :	7532291356
Question Shuffling Allowed :	Yes
Is Section Default? :	null

Question Number : 1 Question Id : 75322920696 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.25

Which of the following quantity is measured in joules?

Options :

1. ✖ Voltage
2. ✖ Current
3. ✖ Power
4. ✔ Energy

Question Number : 1 Question Id : 75322920696 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित में से कौन-सी राशि जूल में मापी जाती है?

Options :

1. ✖ वोल्टेज
2. ✖ धारा
3. ✖ विद्युत
4. ✔ ऊर्जा

Question Number : 2 Question Id : 75322920697 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Ohm's law is applicable only for _____.

Options :

1. ✓ Metallic conductors at constant temperature
2. ✗ Non-metallic conductors
3. ✗ Zener diodes
4. ✗ Voltage regulator tubes

Question Number : 2 Question Id : 75322920697 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.25

ओम का नियम केवल _____ के लिए लागू होता है।

Options :

1. ✓ स्थिर तापमान पर धात्विक चालकों
2. ✗ अधात्विक चालकों
3. ✗ जेनर डायोडों
4. ✗ वोल्टेज नियंत्रक नलिकाओं

Question Number : 3 Question Id : 75322920698 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.25

Which off the following material has negligibly small positive temperature coefficient of resistance?

Options :

1. ✖ Brass
2. ✖ Aluminium
3. ✔ Manganin
4. ✖ Nickel

Question Number : 3 Question Id : 75322920698 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित में से किस पदार्थ में प्रतिरोध का धनात्मक तापमान गुणांक नगण्य रूप से छोटा होता है?

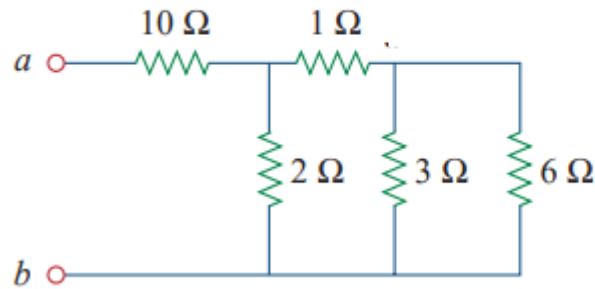
Options :

1. ✖ पीतल
2. ✖ ऐलुमिनियम
3. ✔ मैंगनीन
4. ✖ निकल

Question Number : 4 Question Id : 75322920699 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Find the equivalent resistance between terminals 'a' and 'b':



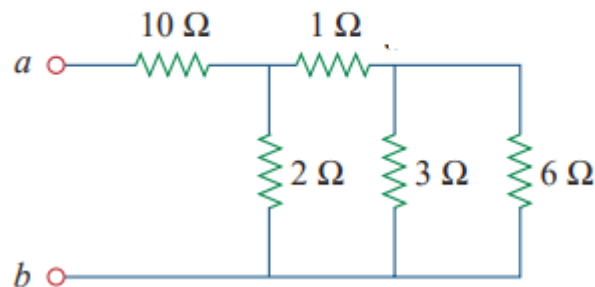
Options :

1. ✗ $12\ \Omega$
2. ✓ $11.2\ \Omega$
3. ✗ $5.6\ \Omega$
4. ✗ $22\ \Omega$

Question Number : 4 Question Id : 75322920699 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

टर्मिनल 'a' और 'b' के बीच तुल्य प्रतिरोध ज्ञात कीजिए:



Options :

1. ✖ 12 Ω

2. ✔ 11.2 Ω

3. ✖ 5.6 Ω

4. ✖ 22 Ω

Question Number : 5 Question Id : 75322920700 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

An e.m.f. of 10 V is induced in a coil when the current flowing through it changes at the rate of 1 A/sec. Calculate the self inductance of coil.

Options :

1. ✖ 0.1 H

2. ✖ 1.0 H

3. ✔ 10 H

4. ✖ 100 H

Question Number : 5 Question Id : 75322920700 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

जब कुंडली से प्रवाहित धारा 1 A/sec की दर से परिवर्तित होती है, तो उसमें में 10 V का विद्युत प्रेरक बल प्रेरित होता है। कुंडली के स्वप्रेरकत्व की गणना कीजिए।

Options :

1. ✖ 0.1 H
2. ✖ 1.0 H
3. ✔ 10 H
4. ✖ 100 H

Question Number : 6 Question Id : 75322920701 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Find the maximum possible value of the mutual inductance between two coils having their self-inductances of 16 H and 9 H.

Options :

1. ✖ 9 H
2. ✔ 12 H
3. ✖ 16 H
4. ✖ 25 H

Question Number : 6 Question Id : 75322920701 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

उन दो कुंडलियों के बीच अन्योन्य प्रेरण गुणांक का अधिकतम संभावित मान ज्ञात कीजिए, जिसका स्वप्रेरण गुणांक 16 H और 9 H है।

Options :

1. ✖ 9 H
2. ✔ 12 H
3. ✖ 16 H
4. ✖ 25 H

Question Number : 7 Question Id : 75322920702 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Zero resistivity is the property of _____.

Options :

1. ✖ Conductors
2. ✖ Insulators
3. ✖ Semiconductors
4. ✔ Superconductors

Question Number : 7 Question Id : 75322920702 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

शून्य प्रतिरोधकता _____ का गुण होता है।

Options :

1. ✖ चालकों

2. ✖ विद्युत्रोधियों
3. ✖ अर्धचालकों
4. ✔ अतिचालकों

Question Number : 8 Question Id : 75322920703 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following material will have highest resistivity?

Options :

1. ✔ Plastic
2. ✖ Silicon
3. ✖ Silver
4. ✖ Aluminium

Question Number : 8 Question Id : 75322920703 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित में से किस पदार्थ की प्रतिरोधकता उच्चतम होगी?

Options :

1. ✔ प्लास्टिक

2. ✖ सिलिकॉन

3. ✖ चाँदी

4. ✖ ऐलुमिनियम

Question Number : 9 Question Id : 75322920704 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

An induction motor is running at a speed of 1440 rpm with 4% sleep. If the supply frequency is 50 Hz, find the number of poles.

Options :

1. ✖ 2

2. ✔ 4

3. ✖ 6

4. ✖ 8

Question Number : 9 Question Id : 75322920704 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

एक प्रेरण मोटर 4% स्लीप (sleep) के साथ 1440 rpm की गति से चल रही है। यदि आपूर्ति आवृत्ति 50 Hz है, तो ध्रुवों की संख्या ज्ञात कीजिए।

Options :

1. ✖ 2

2. ✔ 4

3. ✖ 6

4. ✖ 8

Question Number : 10 Question Id : 75322920705 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

An LED which is made of gallium arsenide will give _____ light.

Note: For this question, discrepancy is found in question/answer. So, this question is ignored for all candidates.

Options :

1. Red

2. Green

3. Blue

4. White

Question Number : 10 Question Id : 75322920705 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

LED जो गैलियम आर्सेनाइड से बनी होती है, _____ प्रकाश उत्सर्जित करेगी।

Note: For this question, discrepancy is found in question/answer. So, this question is ignored for all candidates.

Options :

1. लाल
2. हरा
3. नीला
4. श्वेत

Question Number : 11 Question Id : 75322920706 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

_____ diode works as a voltage-controlled capacitance.

Options :

1. ✖ Zener diode
2. ✖ Photo diode
3. ✔ Varactor diode
4. ✖ Tunnel diode

Question Number : 11 Question Id : 75322920706 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

_____ डायोड वोल्टेज नियंत्रित धारिता के रूप में कार्य करता है।

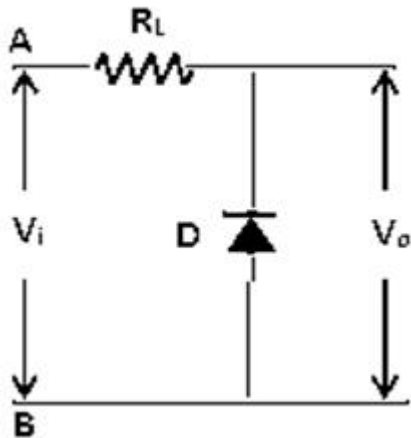
Options :

1. ✖ जेनर डायोड
2. ✖ प्रकाश डायोड
3. ✔ वैरिक्टर डायोड
4. ✖ टनल डायोड

Question Number : 12 Question Id : 75322920707 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Identify following circuit:



Options :

1. ✖ Positive shunt clipper

2. ✓ Negative shunt clipper

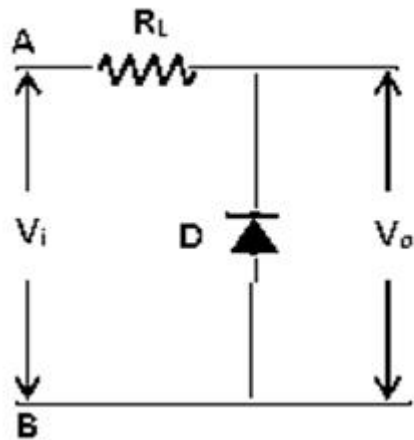
3. ✗ Positive series clipper

4. ✗ Negative series clipper

Question Number : 12 Question Id : 75322920707 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित परिपथ की पहचान करें:



Options :

1. ✗ धनात्मक शंट क्लिपर (Positive shunt clipper)

2. ✓ ऋणात्मक शंट क्लिपर (Negative shunt clipper)

3. ✗ धनात्मक श्रेणीक्रम क्लिपर (Positive series clipper)

4. ✖ ऋणात्मक श्रेणीक्रम क्लिपर (Negative series clipper)

Question Number : 13 Question Id : 75322920708 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

A π -filter is consisting of _____ inductors and _____ capacitors, respectively.

Note: For this question, discrepancy is found in question/answer. So, this question is ignored for all candidates.

Options :

1. 2, 2
2. 1, 1
3. 2, 1
4. 1, 2

Question Number : 13 Question Id : 75322920708 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

π -फ़िल्टर में क्रमशः _____ प्रेरक और _____ संधारित्र होते हैं।

Note: For this question, discrepancy is found in question/answer. So, this question is ignored for all candidates.

Options :

1. 2, 2
2. 1, 1
3. 2, 1
4. 1, 2

Question Number : 14 Question Id : 75322920709 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

In a common base connection, $I_B = 0.05 \text{ mA}$ and $I_E = 1 \text{ mA}$. Find the current amplification factor.

Options :

1. ✖ 1.00
2. ✔ 0.95
3. ✖ 0.50
4. ✖ 0.05

Question Number : 14 Question Id : 75322920709 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

एक उभयनिष्ठ संपर्क में, $I_B = 0.05 \text{ mA}$ and $I_E = 1 \text{ mA}$ है। धारा प्रवर्धक गुणक ज्ञात कीजिए।

Options :

1. ✖ 1.00

2. ✓ 0.95

3. ✗ 0.50

4. ✗ 0.05

Question Number : 15 Question Id : 75322920710 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.25

Which of the following is WRONG for base resistor biasing?

Options :

1. ✗ Simple circuit

2. ✗ Poor thermal stability

3. ✗ No loading of source due to biasing circuit

4. ✓ Excellent stabilization

Question Number : 15 Question Id : 75322920710 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.25

आधार प्रतिरोधक अभिनति (base resistor biasing) के लिए निम्नलिखित में से कौन गलत है?

Options :

1. ✗ सरल परिपथ

2. ✖ खराब ऊष्मीय स्थायित्व
3. ✖ अभिनति परिपथ के कारण स्रोत का लोड नहीं होना
4. ✔ उत्कृष्ट स्थिरीकरण

Question Number : 16 Question Id : 75322920711 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

State TRUE/FALSE for following statements:

1. In common collector connection, input resistance is very high.
2. Common collector connection is most suitable for impedance matching.

Options :

1. ✔ 1-TRUE, 2-TRUE
2. ✖ 1-FALSE, 2-FALSE
3. ✖ 1-TRUE, 2-FALSE
4. ✖ 1-FALSE, 2-TRUE

Question Number : 16 Question Id : 75322920711 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित कथनों में सत्य/असत्य बताएं:

1. उभयनिष्ठ संग्राहक संबंधन में, इनपुट प्रतिरोध बहुत अधिक होता है।
2. उभयनिष्ठ संग्राहक संबंधन, प्रतिबाधा सुमेलन के लिए सबसे उपयुक्त होता है।

Options :

1. ✓ 1-सत्य, 2-सत्य
2. ✗ 1-असत्य, 2-असत्य
3. ✗ 1-सत्य, 2-असत्य
4. ✗ 1-असत्य, 2-सत्य

Question Number : 17 Question Id : 75322920712 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

In a transistor circuit, collector load is $5\text{ k}\Omega$ and zero signal collector current is 1 mA . What will be the operating point if $V_{CC} = 10\text{ V}$.

Options :

1. ✗ 4 V , 1 mA
2. ✓ 5 V , 1 mA
3. ✗ 4 V , 0.1 mA
4. ✗ 5 V , 0.1 mA

Question Number : 17 Question Id : 75322920712 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

एक ट्रांजिस्टर परिपथ में, संग्राहक भार $5\text{ k}\Omega$ है और शून्य संकेत संग्राहक धारा 1 mA है। यदि $V_{CC} = 10\text{ V}$ हो, तो प्रचालन बिंदु क्या होगा।

Options :

1. ✘ $4\text{ V}, 1\text{ mA}$
2. ✔ $5\text{ V}, 1\text{ mA}$
3. ✘ $4\text{ V}, 0.1\text{ mA}$
4. ✘ $5\text{ V}, 0.1\text{ mA}$

Question Number : 18 Question Id : 75322920713 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Convert $(10101)_2$ in to equivalent decimal number.

Options :

1. ✘ 31
2. ✔ 21
3. ✘ 25
4. ✘ 19

Question Number : 18 Question Id : 75322920713 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

$(10101)_2$ को समतुल्य दशमलव संख्या में बदलें।

Options :

1. ✖ 31

2. ✔ 21

3. ✖ 25

4. ✖ 19

Question Number : 19 Question Id : 75322920714 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Convert $(110101.101010)_2$ in to equivalent octal number.

Options :

1. ✖ $(56.52)_8$

2. ✖ $(65.25)_8$

3. ✔ $(65.52)_8$

4. ✖ $(56.25)_8$

Question Number : 19 Question Id : 75322920714 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

$(110101.101010)_2$ को समतुल्य अष्टाधारी संख्या में बदलें।

Options :

1. ✖ $(56.52)_8$
2. ✖ $(65.25)_8$
3. ✔ $(65.52)_8$
4. ✖ $(56.25)_8$

Question Number : 20 Question Id : 75322920715 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Inverter gate means _____.

Options :

1. ✖ NOR gate
2. ✖ NAND gate
3. ✔ NOT gate
4. ✖ X-NOR gate

Question Number : 20 Question Id : 75322920715 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

इन्वर्टर गेट का अर्थ _____ है।

Options :

1. ✖ NOR गेट
2. ✖ NAND गेट
3. ✔ NOT गेट
4. ✖ X-NOR गेट

Discipline2

Group Number :	2
Group Id :	753229687
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 :	753229863
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 :	7532291357
Question Shuffling Allowed :	Yes
Is Section Default? :	null

Question Number : 21 Question Id : 75322920716 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

A half adder can be realized by one _____ gate and one _____ gate.

Options :

1. ✖ OR, NAND
2. ✔ XOR, AND
3. ✖ AND, OR
4. ✖ NAND, XOR

Question Number : 21 Question Id : 75322920716 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

अर्द्ध योजक एक _____ गेट और एक _____ गेट द्वारा प्राप्त किया सकता है।

Options :

1. ✖ OR, NAND
2. ✔ XOR, AND
3. ✖ AND, OR
4. ✖ NAND, XOR

Question Number : 22 Question Id : 75322920717 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

After an addition of 2 numbers, if the sum in the accumulator is larger than 8 bits, _____ flag is set.

Options :

1. ✖ Zero
2. ✖ Sign
3. ✔ Carry
4. ✖ Parity

Question Number : 22 Question Id : 75322920717 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

2 संख्याओं को जोड़ने के बाद, यदि संचायक का योग 8 बिट से अधिक होता है, तो _____ फ्लैग सेट किया जाता है।

Options :

1. ✖ जीरो (Zero)
2. ✖ साइन (Sign)
3. ✔ कैरी (Carry)
4. ✖ पैरिटी (Parity)

Question Number : 23 Question Id : 75322920718 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

In 8085 microprocessor, which of the following is not a logical instruction?

Options :

1. ✖ CMA
2. ✖ RAL
3. ✖ RRC
4. ✔ HLT

Question Number : 23 Question Id : 75322920718 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

8085 माइक्रोप्रोसेसर में निम्नलिखित में से कौन-सा तार्किक अनुदेश नहीं है?

Options :

1. ✖ सीएमए (CMA)
2. ✖ आरएएल (RAL)
3. ✖ आरआरसी (RRC)
4. ✔ एचएलटी (HLT)

Question Number : 24 Question Id : 75322920719 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Identify the switch shown in following symbol:



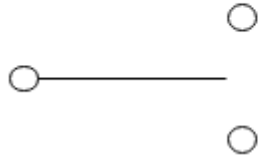
Options :

1. ✖ SPST
2. ✔ SPDT
3. ✖ DPST
4. ✖ DPDT

Question Number : 24 Question Id : 75322920719 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित प्रतीक में दिखाए गए स्विच को पहचानें:



Options :

1. ✖ एसपीएसटी (SPST)
2. ✔ एसपीडीटी (SPDT)
3. ✖ डीपीएसटी (DPST)
4. ✖ डीपीडीटी (DPDT)

Question Number : 25 Question Id : 75322920720 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following wire size has lowest current carrying capacity?

Options :

1. ✖ 6 SWG
2. ✖ 10 SWG

3. ✖ 14 SWG

4. ✔ 20 SWG

Question Number : 25 Question Id : 75322920720 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित में से किस आकार के तार की विद्युत धारा वहन करने की क्षमता सबसे कम है?

Options :

1. ✖ 6 SWG

2. ✖ 10 SWG

3. ✖ 14 SWG

4. ✔ 20 SWG

Question Number : 26 Question Id : 75322920721 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following is the safest wiring system?

Options :

1. ✖ Batten wiring

2. ✖ Casing and capping wiring

3. ✔ Concealed conduit wiring

4. ✖ Cleat wiring

Question Number : 26 Question Id : 75322920721 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित में से कौन सबसे सुरक्षित वायरिंग सिस्टम है?

Options :

1. ✖ बैटन वायरिंग (Batten wiring)
2. ✖ केसिंग और कैपिंग वायरिंग (Casing and capping wiring)
3. ✔ कंसील्ड कंड्यूट वायरिंग (Concealed conduit wiring)
4. ✖ क्लैट वायरिंग (Cleat wiring)

Question Number : 27 Question Id : 75322920722 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following part is not present in a nuclear power plant?

Options :

1. ✔ Penstock
2. ✖ Nuclear reactor
3. ✖ Turbine

4. ✖ Heat exchanger

Question Number : 27 Question Id : 75322920722 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित में से कौन सा भाग परमाणु ऊर्जा संयंत्र में उपस्थित नहीं होता है?

Options :

1. ✔ पेनस्टॉक (Penstock)
2. ✖ नाभिकीय रिएक्टर (Nuclear reactor)
3. ✖ टर्बाइन (Turbine)
4. ✖ ऊष्मा-विनिमयित्र (Heat exchanger)

Question Number : 28 Question Id : 75322920723 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

In order to discharge the surplus water from the storage reservoir into the river on the down-stream side of the dam, _____ are used.

Options :

1. ✖ Penstocks
2. ✔ Spillways
3. ✖ Headworks

4. ✖ Surge tanks

Question Number : 28 Question Id : 75322920723 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

भंडारण जलाशय से अधिशेष जल को बांध के अनुप्रवाह की ओर नदी में प्रवाहित करने के लिए, _____ का उपयोग किया जाता है।

Options :

1. ✖ पेनस्टॉक (Penstocks)
2. ✔ स्पिलवेज़ (Spillways)
3. ✖ हेडवर्क्स (Headworks)
4. ✖ सर्ज टैंक (Surge tanks)

Question Number : 29 Question Id : 75322920724 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

In which part of the thermal power plant water is converted into steam by utilizing the heat of coal combustion?

Options :

1. ✔ Boiler
2. ✖ Super heater

3. ✖ Economizer

4. ✖ Condenser

Question Number : 29 Question Id : 75322920724 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

ताप विद्युत संयंत्र के किस भाग में कोयले के दहन की ऊष्मा का उपयोग करके जल को भाप में परिवर्तित किया जाता है?

Options :

1. ✔ बॉयलर

2. ✖ सुपर हीटर

3. ✖ इकोनोमाइज़र

4. ✖ कंडेन्सर

Question Number : 30 Question Id : 75322920725 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

State TRUE/FALSE for following statements with reference to thermal power plant:

1. Water tube boilers are preferable over fire tube boilers.

2. Superheater reduces the overall efficiency of the plant.

Options :

1. ✖ 1-TRUE, 2-TRUE
2. ✖ 1-FALSE, 2-FALSE
3. ✔ 1-TRUE, 2-FALSE
4. ✖ 1-FALSE, 2-TRUE

Question Number : 30 Question Id : 75322920725 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

ताप विद्युत संयंत्र के संदर्भ में निम्नलिखित कथनों के लिए सत्य/असत्य लिखें:

1. फायर ट्यूब बॉयलरों की अपेक्षा जल ट्यूब बॉयलर बेहतर होता है।
2. सुपरहीटर, संयंत्र की समग्र दक्षता को कम करता है।

Options :

1. ✖ 1-सत्य, 2-सत्य
2. ✖ 1-असत्य, 2-असत्य
3. ✔ 1-सत्य, 2-असत्य
4. ✖ 1-असत्य, 2-सत्य

Question Number : 31 Question Id : 75322920726 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following load curve is generally used to determine the annual load factor of power plants?

Options :

1. ✖ Hourly load curve
2. ✖ Daily load curve
3. ✖ Monthly load curve
4. ✔ Yearly load curve

Question Number : 31 Question Id : 75322920726 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

बिजली संयंत्रों के वार्षिक भार गुणक को निर्धारित करने के लिए आमतौर पर निम्नलिखित में से किस भार वक्र का उपयोग किया जाता है?

Options :

1. ✖ प्रति घंटा भार वक्र
2. ✖ दैनिक भार वक्र
3. ✖ मासिक भार वक्र
4. ✔ वार्षिक भार वक्र

Question Number : 32 Question Id : 75322920727 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Base load occurs on the power station for _____ hours in a day.

Options :

1. ✖ 6
2. ✖ 12
3. ✖ 18
4. ✔ 24

Question Number : 32 Question Id : 75322920727 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

पावर स्टेशन पर आधार भार एक दिन में _____ घंटे के लिए होता है।

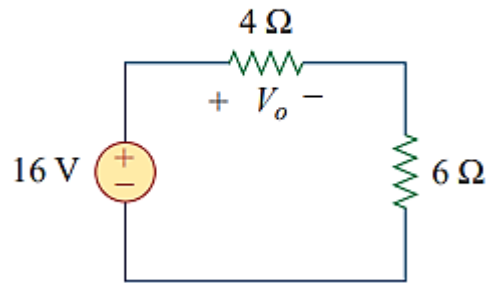
Options :

1. ✖ 6
2. ✖ 12
3. ✖ 18
4. ✔ 24

Question Number : 33 Question Id : 75322920728 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Calculate V_o in following circuit:



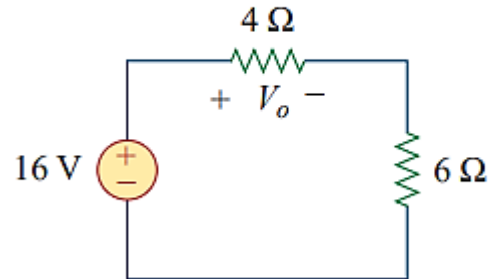
Options :

- 1. ✗ 3.2 V
- 2. ✗ 4.8 V
- 3. ✓ 6.4 V
- 4. ✗ 8.0 V

Question Number : 33 Question Id : 75322920728 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित परिपथ में V_o की गणना करें:



Options :

1. ✖ 3.2 V

2. ✖ 4.8 V

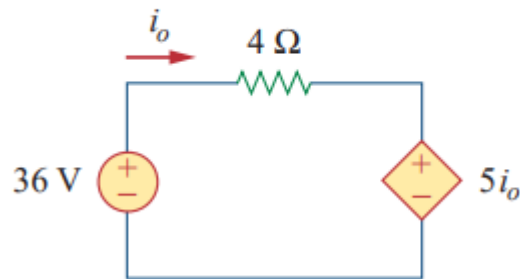
3. ✔ 6.4 V

4. ✖ 8.0 V

Question Number : 34 Question Id : 75322920729 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Find the current ' i_o ' in following circuit:



Options :

1. ✖ 3.6 A

2. ✔ 4.0 A

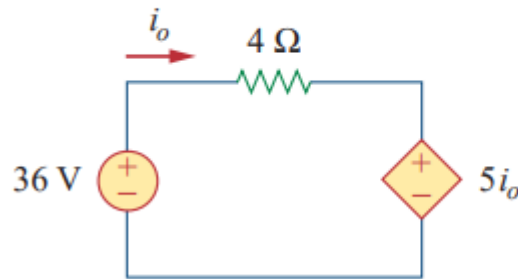
3. ✖ 5.4 A

4. ✖ 6.0 A

Question Number : 34 Question Id : 75322920729 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित परिपथ में धारा ' i_o ' ज्ञात कीजिए:



Options :

1. ✖ 3.6 A

2. ✔ 4.0 A

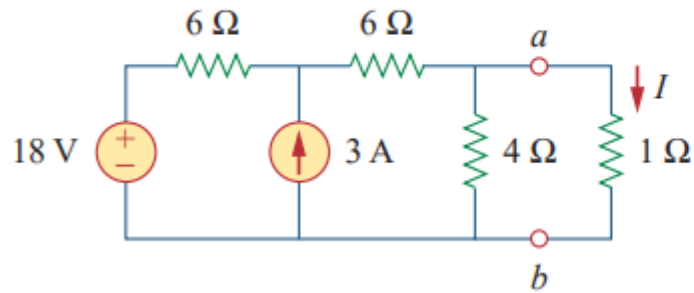
3. ✖ 5.4 A

4. ✖ 6.0 A

Question Number : 35 Question Id : 75322920730 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

If the circuit to the left of the terminals 'a' and 'b' is replaced with the Thevenin's equivalent circuit, what will be R_{TH} ?

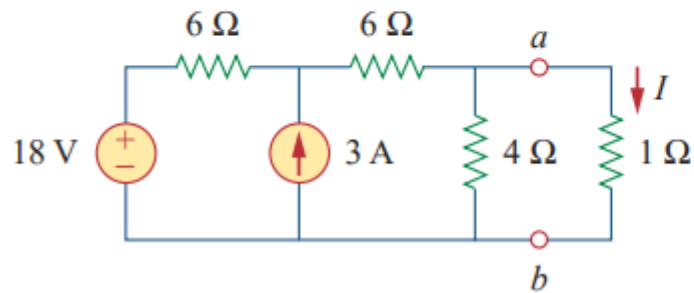


Options :

- 1. ✓ 3 Ω
- 2. ✗ 6 Ω
- 3. ✗ 9 Ω
- 4. ✗ 12 Ω

Question Number : 35 Question Id : 75322920730 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.25

यदि टर्मिनल 'a' और 'b' के बाईं ओर के परिपथ को थेवेनिन के तुल्य परिपथ से प्रतिस्थापित कर दिया जाए, तो R_{TH} क्या होगा?

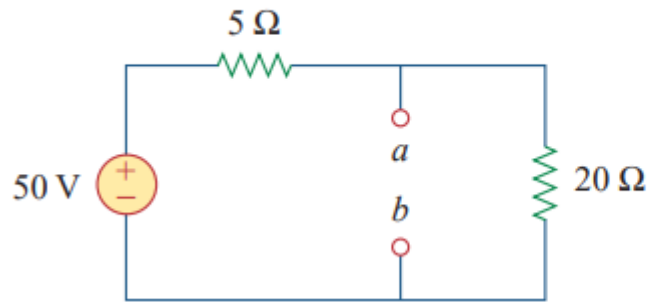


Options :

1. ✓ 3Ω
2. ✗ 6Ω
3. ✗ 9Ω
4. ✗ 12Ω

Question Number : 36 Question Id : 75322920731 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.25

Find the Norton's current through terminals 'a' and 'b' in following circuit:



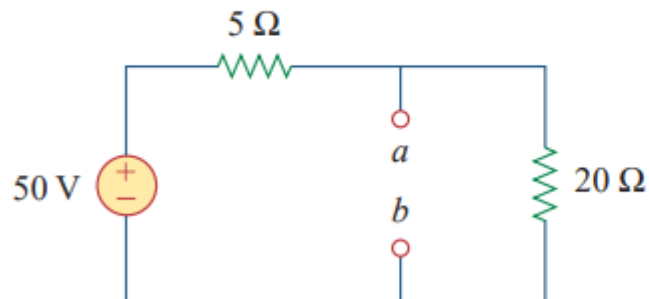
Options :

1. ✖ 2.5 A
2. ✖ 5.0 A
3. ✖ 7.5 A
4. ✔ 10 A

Question Number : 36 Question Id : 75322920731 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित परिपथ में टर्मिनल 'a' और 'b' में नॉर्टन की धारा ज्ञात कीजिए:



Options :

1. ✖ 2.5 A
2. ✖ 5.0 A
3. ✖ 7.5 A
4. ✔ 10 A

Question Number : 37 Question Id : 75322920732 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

A sinusoidal signal has a frequency of 200 Hz. Find the time period of the signal.

Options :

1. ✔ 5 milliseconds
2. ✖ 10 milliseconds
3. ✖ 20 milliseconds
4. ✖ 50 milliseconds

Question Number : 37 Question Id : 75322920732 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

ज्यावक्रीय सिग्नल में 200 Hz की आवृत्ति होती है। सिग्नल की समयावधि ज्ञात कीजिए।

Options :

1. ✔ 5 मिलीसेकंड

2. ✖ 10 मिलीसेकंड

3. ✖ 20 मिलीसेकंड

4. ✖ 50 मिलीसेकंड

Question Number : 38 Question Id : 75322920733 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

An AC voltage is expressed as:

$$v(t) = 500 \sin 200\pi t.$$

Calculate angular velocity.

Options :

1. ✖ 314 rad/sec

2. ✔ 628 rad/sec

3. ✖ 157 rad/sec

4. ✖ 785 rad/sec

Question Number : 38 Question Id : 75322920733 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

AC वोल्टेज को निम्नलिखित के रूप में व्यक्त किया जाता है:

$$v(t) = 500 \sin 200\pi t.$$

कोणीय वेग की गणना कीजिए।

Options :

1. ✖ 314 rad/sec
2. ✔ 628 rad/sec
3. ✖ 157 rad/sec
4. ✖ 785 rad/sec

Question Number : 39 Question Id : 75322920734 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Commutator of DC machine is usually made up of _____.

Options :

1. ✖ Carbon
2. ✖ Stainless steel
3. ✔ Hard drawn copper
4. ✖ Aluminium

Question Number : 39 Question Id : 75322920734 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

DC मशीन का दिक्परिवर्तक (Commutator) आमतौर पर _____ से बना होता है।

Options :

1. ✖ कार्बन
2. ✖ स्टेनलेस स्टील
3. ✔ कर्षित कठोर ताम्र
4. ✖ ऐलुमिनियम

Question Number : 40 Question Id : 75322920735 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following relation is wrong in case of transformer?

Options :

1. ✖ $V_1 I_1 = V_2 I_2$
2. ✔ $V_1 V_2 = I_1 I_2$
3. ✖ $N_1 I_1 = N_2 I_2$
4. ✖ $V_1 N_2 = N_1 V_2$

Question Number : 40 Question Id : 75322920735 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

ट्रांसफार्मर के मामले में निम्नलिखित में से कौन सा संबंध गलत है?

Options :

1. ✖ $V_1 I_1 = V_2 I_2$

2. ✔ $V_1 V_2 = I_1 I_2$

3. ✖ $N_1 I_1 = N_2 I_2$

4. ✖ $V_1 N_2 = N_1 V_2$

Discipline3

Group Number :	3
Group Id :	753229688
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 :	753229864
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 :	7532291358
Question Shuffling Allowed :	Yes
Is Section Default? :	null

Question Number : 41 Question Id : 75322920736 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.25

The speed of a DC shunt motor _____ with the increase in armature current.

Options :

1. ✖ Increases linearly
2. ✖ Increases exponentially
3. ✖ Decreases exponentially
4. ✔ Decreases linearly

Question Number : 41 Question Id : 75322920736 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.25

आर्मेचर धारा में वृद्धि के साथ डीसी शंट मोटर की गति _____ होती है।

Options :

1. ✖ रैखिक रूप से बढ़ती है
2. ✖ चरघातांकी रूप से बढ़ती है
3. ✖ चरघातांकी रूप से घटती है
4. ✔ रैखिक रूप से घटती है

Question Number : 42 Question Id : 75322920737 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

An 8-pole, lap-connected armature has 40 slots with 12 conductors per slot generates a voltage of 500 V. find the speed with which it is running if the flux per pole is 50 mWb.

Options :

1. ✖ 750 rpm
2. ✔ 1250 rpm
3. ✖ 1750 rpm
4. ✖ 2500 rpm

Question Number : 42 Question Id : 75322920737 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

8-पोल, लैप-कनेक्टेड आर्मेचर में 40 स्लॉट हैं, जिसमें 12 कंडक्टर प्रति स्लॉट 500 V का वोल्टेज उत्पन्न करते हैं। यदि फ्लक्स प्रति पोल 50 mWb है, तो यह कितनी गति से चल रहा है।

Options :

1. ✖ 750 rpm
2. ✔ 1250 rpm
3. ✖ 1750 rpm
4. ✖ 2500 rpm

Question Number : 43 Question Id : 75322920738 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

A transformer with 800 primary turns and 200 secondary turns is supplied from a 100 V a. c. supply. Calculate volts per turn in secondary.

Options :

1. ✔ 0.125
2. ✖ 1.25
3. ✖ 12.5
4. ✖ 125

Question Number : 43 Question Id : 75322920738 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

800 प्राथमिक फेरे और 200 द्वितीयक फेरे वाले एक ट्रांसफार्मर को 100 V a. c. से आपूर्ति की जाती है। द्वितीयक (secondary) में प्रति फेरे वोल्ट की गणना कीजिए।

Options :

1. ✓ 0.125
2. ✗ 1.25
3. ✗ 12.5
4. ✗ 125

Question Number : 44 Question Id : 75322920739 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

In transformer, if the load is _____, the voltage regulation is zero.

Options :

1. ✗ Resistive
2. ✗ Inductive
3. ✓ Capacitive
4. ✗ Resistive or inductive

Question Number : 44 Question Id : 75322920739 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

ट्रांसफॉर्मर में, यदि लोड _____ है, तो वोल्टेज विनियमन शून्य होता है।

Options :

1. ✖ प्रतिरोधी
2. ✖ प्रेरणिक
3. ✔ धारितीय
4. ✖ प्रतिरोधी या प्रेरणिक

Question Number : 45 Question Id : 75322920740 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following is WRONG in case of a cylindrical rotor alternator?

Options :

1. ✔ Non-uniform air gap
2. ✖ Less noisy operation
3. ✖ Less windage losses
4. ✖ Greater mechanical strength

Question Number : 45 Question Id : 75322920740 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

बेलनाकार रोटार अल्टरनेटर के मामले में निम्नलिखित में से कौन सा कथन गलत है?

Options :

1. ✓ असमान वायु अंतराल
2. ✗ कम शोर वाले संचालन
3. ✗ कम वायु घर्षण हानि
4. ✗ अधिक यांत्रिक सामर्थ्य

Question Number : 46 Question Id : 75322920741 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following is a doubly excited machine?

Options :

1. ✗ DC series motor
2. ✗ DC shunt motor
3. ✗ DC compound motor
4. ✓ Synchronous motor

Question Number : 46 Question Id : 75322920741 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित में से कौन-सी द्वि-उत्तेजित मशीन है?

Options :

1. ✖ DC सीरीज मोटर
2. ✖ DC शंट मोटर
3. ✖ DC कंपाउंड मोटर
4. ✔ तुल्यकालिक मोटर

Question Number : 47 Question Id : 75322920742 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following is WRONG for single-phase motors when compared with 3-phase induction motors?

Options :

1. ✖ Simple and robust construction
2. ✖ Low power factor
3. ✖ Low starting torque
4. ✔ High efficiency

Question Number : 47 Question Id : 75322920742 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

3-फेज वाले प्रेरण मोटर की तुलना में सिंगल-फेज मोटर के लिए निम्नलिखित में से कौन-सा कथन गलत है?

Options :

1. ✖ सरल और सशक्त निर्माण
2. ✖ निम्न शक्ति गुणक
3. ✖ निम्न प्रवर्तन बलाघूर्ण
4. ✔ उच्च दक्षता

Question Number : 48 Question Id : 75322920743 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following is NOT a three-terminal device?

Options :

1. ✖ SCR
2. ✔ DIAC
3. ✖ TRIAC
4. ✖ UJT

Question Number : 48 Question Id : 75322920743 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित में से कौन तीन टर्मिनल वाला डिवाइस नहीं है?

Options :

1. ✖ SCR
2. ✔ DIAC
3. ✖ TRIAC
4. ✖ UJT

Question Number : 49 Question Id : 75322920744 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following method of triggering an SCR is most widely used?

Options :

1. ✖ Thermal triggering
2. ✖ Forward voltage triggering
3. ✖ Light triggering
4. ✔ Gate triggering

Question Number : 49 Question Id : 75322920744 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

SCR को ट्रिगर करने की निम्नलिखित में से कौन सी विधि सबसे व्यापक रूप से उपयोग की जाती है?

Options :

1. ✖ थर्मल ट्रिगरिंग (Thermal triggering)
2. ✖ फॉरवर्ड वोल्टेज ट्रिगरिंग (Forward voltage triggering)
3. ✖ लाइट ट्रिगरिंग (Light triggering)
4. ✔ गेट ट्रिगरिंग (Gate triggering)

Question Number : 50 Question Id : 75322920745 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

In SCR based circuits, snubber circuit is provided for the purpose of _____.

Options :

1. ✔ $\frac{dv}{dt}$ protection
2. ✖ $\frac{di}{dt}$ protection
3. ✖ $\frac{dq}{dt}$ protection
4. ✖ $\frac{dw}{dt}$ protection

Question Number : 50 Question Id : 75322920745 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

SCR आधारित परिपथ में, _____ के उद्देश्य के लिए प्रघात-अवशोषी परिपथ प्रदान किया जाता है।

Options :

1. ✓ $\frac{dv}{dt}$ सुरक्षा

2. ✗ $\frac{di}{dt}$ सुरक्षा

3. ✗ $\frac{dq}{dt}$ सुरक्षा

4. ✗ $\frac{dw}{dt}$ सुरक्षा

Question Number : 51 Question Id : 75322920746 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Cycloconverters are used in:

Options :

1. ✓ AC motor drives

2. ✗ DC drives

3. ✗ Regulated power supply

4. ✗ UPS

Question Number : 51 Question Id : 75322920746 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

साइक्लोकोनवर्टर का उपयोग निम्नलिखित में से किसमें किया जाता है?

Options :

1. ✓ AC मोटर चालन (AC motor drives)
2. ✗ DC चालन (DC drives)
3. ✗ विनियमित बिजली आपूर्ति (Regulated power supply)
4. ✗ यूपीएस (UPS)

Question Number : 52 Question Id : 75322920747 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

In a chopper circuit, input voltage is 100 V and output voltage is 75 V. Find the duty cycle.

Options :

1. ✗ 0.25
2. ✗ 0.50
3. ✓ 0.75
4. ✗ 1.00

Question Number : 52 Question Id : 75322920747 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

चॉपर परिपथ में, इनपुट वोल्टेज 100 V है और आउटपुट वोल्टेज 75 V है। उपयोगिता अनुपात ज्ञात कीजिए।

Options :

1. ✖ 0.25
2. ✖ 0.50
3. ✔ 0.75
4. ✖ 1.00

Question Number : 53 Question Id : 75322920748 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following component is not used in Jones chopper?

Options :

1. ✖ Auxiliary thyristor
2. ✖ Diode
3. ✖ Capacitor
4. ✔ Saturable reactor

Question Number : 53 Question Id : 75322920748 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित में से किस घटक का उपयोग जॉन्स चॉपर में नहीं किया जाता है?

Options :

1. ✖ ऑक्ज़ीलियरी थाइरिस्टर (Auxiliary thyristor)
2. ✖ डायोड (Diode)
3. ✖ संधारित्र (Capacitor)
4. ✔ संतृप्य रिएक्टर (Saturable reactor)

Question Number : 54 Question Id : 75322920749 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

McMurray-Bedford inverter is _____.

Options :

1. ✖ Auxiliary commutated inverter
2. ✔ Impulse commutated inverter
3. ✖ Line commutated inverter
4. ✖ Load commutated inverter

Question Number : 54 Question Id : 75322920749 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

मैकमुरे-बेडफोर्ड (McMurray-Bedford) इन्वर्टर _____ होता है।

Options :

1. ✖ ऑक्ज़ीलियरी कम्यूटेटेड इन्वर्टर (Auxiliary commutated inverter)
2. ✔ इंपल्स कम्यूटेटेड इन्वर्टर (Impulse commutated inverter)
3. ✖ लाइन कम्यूटेटेड इन्वर्टर (Line commutated inverter)
4. ✖ लोड कम्यूटेटेड इन्वर्टर (Load commutated inverter)

Question Number : 55 Question Id : 75322920750 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

In a single-phase semi converter the firing angle is ' α '. For continuous conduction, each SCR conducts for a period of _____.

Options :

1. ✔ $\pi - \alpha$
2. ✖ $\pi + \alpha$
3. ✖ π
4. ✖ 2α

Question Number : 55 Question Id : 75322920750 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

सिंगल-फेज वाले सेमी-कन्वर्टर में फायरिंग कोण ' α ' होता है। सतत चालन के लिए, प्रत्येक एससीआर (SCR) किस अवधि के लिए संचालित होती है:

Options :

1. ✓ $\pi - \alpha$
2. ✗ $\pi + \alpha$
3. ✗ π
4. ✗ 2α

Question Number : 56 Question Id : 75322920751 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following is a light dependent resistive sensor?

Options :

1. ✗ RTD
2. ✗ Thermistor
3. ✗ Strain gauge
4. ✓ LDR

Question Number : 56 Question Id : 75322920751 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित में से कौन प्रकाश पर निर्भर प्रतिरोधक सेंसर है?

Options :

1. ✖ RTD
2. ✖ थर्मिस्टर
3. ✖ विकृति मापी
4. ✔ LDR

Question Number : 57 Question Id : 75322920752 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Thermopile is nothing but a series connection of _____.

Options :

1. ✖ RTDs
2. ✔ Thermocouples
3. ✖ Thermistors
4. ✖ Strain gauges

Question Number : 57 Question Id : 75322920752 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

थर्मोपाइल और कुछ नहीं बल्कि _____ का एक श्रृंखला कनेक्शन है।

Options :

1. ✖ RTDs
2. ✔ थर्मोकपल्स
3. ✖ थर्मिस्टर
4. ✖ विकृति मापी

Question Number : 58 Question Id : 75322920753 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Chromel-Alumel thermocouple is commercially known as _____ thermocouple.

Options :

1. ✖ B-Type
2. ✖ J-Type
3. ✔ K-Type
4. ✖ R-Type

Question Number : 58 Question Id : 75322920753 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

क्रोमेल-एलुमेल थर्मोकपल (Chromel-Alumel thermocouple) को व्यावसायिक रूप से _____ थर्मोकपल के रूप में जाना जाता है।

Options :

1. ✖ B-टाइप
2. ✖ J-टाइप
3. ✔ K-टाइप
4. ✖ R-टाइप

Question Number : 59 Question Id : 75322920754 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Stefan Boltzmann law states that the total amount of radiation energy emitted from the surface is _____ of its absolute temperature.

Options :

1. ✔ directly proportional to the fourth power
2. ✖ inversely proportional to the fourth power
3. ✖ directly proportional to the square
4. ✖ inversely proportional to the square

Question Number : 59 Question Id : 75322920754 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

स्टीफन बोल्ट्ज़मैन का नियम कहता है कि सतह से उत्सर्जित विकिरण ऊर्जा की कुल मात्रा उसके परम ताप के _____ होती है।

Options :

1. ✓ चौथी घात के अनुक्रमानुपाती
2. ✗ चौथी घात के व्युत्क्रमानुपाती
3. ✗ वर्ग के अनुक्रमानुपाती
4. ✗ वर्ग के व्युत्क्रमानुपाती

Question Number : 60 Question Id : 75322920755 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which flowmeter must be mounted vertically for fluid flow measurement?

Options :

1. ✗ Orifice meter
2. ✗ Venturi meter
3. ✗ Turbine flowmeter
4. ✓ Rotameter

Question Number : 60 Question Id : 75322920755 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

द्रव प्रवाह माप के लिए कौन सा प्रवाहमापी लंबवत रूप से लगाया जाना चाहिए?

Options :

1. ✖ ऑरीफिस मीटर (Orifice meter)
2. ✖ वेंचुरी मीटर (Venturi meter)
3. ✖ टर्बाइन फ्लोमीटर (Turbine flowmeter)
4. ✔ रोटामीटर (Rotameter)

Discipline4

Group Number :	4
Group Id :	753229689
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 :	753229865
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 :	7532291359
Question Shuffling Allowed :	Yes
Is Section Default? :	null

Question Number : 61 Question Id : 75322920756 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

0.5 Torr = _____ micron

Options :

1. ✖ 5
2. ✖ 50
3. ✔ 500
4. ✖ 5000

Question Number : 61 Question Id : 75322920756 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

0.5 Torr = _____ माइक्रोन होता है।

Options :

1. ✖ 5

2. ✖ 50

3. ✔ 500

4. ✖ 5000

Question Number : 62 Question Id : 75322920757 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

If a short transmission line is expressed in terms of generalized ABCD constants, then the value of line constant C is

_____.

Options :

1. ✔ Zero

2. ✖ Unity

3. ✖ Infinity

4. ✖ Undefined

Question Number : 62 Question Id : 75322920757 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

यदि एक छोटी पारेषण लाइन को सामान्यीकृत ABCD स्थिरांक के रूप में व्यक्त किया जाता है, तो लाइन स्थिरांक C का मान _____ होता है।

Options :

1. ✔ शून्य

2. ✖ एकांक

3. ✖ अनंत

4. ✖ अपरिभाषित

Question Number : 63 Question Id : 75322920758 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Four transmission lines have their lengths as 30 km, 60 km, 90 km and 120 km. How many lines are medium transmission lines?

Options :

1. ✖ 1

2. ✔ 2

3. ✖ 3

4. ✖ 4

Question Number : 63 Question Id : 75322920758 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

चार पारेषण लाइनों की लंबाई 30 km, 60 km, 90 km और 120 km है। मध्यम पारेषण लाइने कितनी हैं?

Options :

1. ✖ 1

2. ✓ 2

3. ✗ 3

4. ✗ 4

Question Number : 64 Question Id : 75322920759 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

For a transmission line, the ratio of receiving end power to the sending end power of a transmission line is known as the _____.

Options :

1. ✗ Transmission losses

2. ✓ Transmission efficiency

3. ✗ Transmission coefficient

4. ✗ Transmission constant

Question Number : 64 Question Id : 75322920759 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

पारेषण लाइन के लिए, पारेषण लाइन के अभिग्राही सिरे पर शक्ति और प्रेषण सिरे पर शक्ति के अनुपात को _____ कहा जाता है।

Options :

1. ✗ प्रेषण हानि

2. ✓ प्रेषण दक्षता
3. ✗ पारगमन गुणांक
4. ✗ प्रेषण स्थिरांक

Question Number : 65 Question Id : 75322920760 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

If the operating voltage is in the range from 22 kV to 33 kV, the cable is called _____.

Options :

1. ✗ High-tension cable
2. ✗ Extra high-tension cable
3. ✓ Super-tension cable
4. ✗ Extra super voltage cable

Question Number : 65 Question Id : 75322920760 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

यदि प्रचालन वोल्टता 22 kV से 33 kV तक की सीमा में है, तो केबल को कहा जाता है:

Options :

1. ✗ उच्च वोल्टता केबल (High-tension cable)

2. ✖ अति उच्च वोल्टता केबल (Extra high-tension cable)
3. ✔ अधिक-वोल्टता केबल (Super-tension cable)
4. ✖ अत्यधिक वोल्टता केबल (Extra super voltage cable)

Question Number : 66 Question Id : 75322920761 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

If a cable of homogeneous insulation has maximum stress of 5 kV/mm, then the dielectric strength of insulation should be _____

Options :

1. ✖ 1.5 kV/mm
2. ✖ 2.5 kV/mm
3. ✖ 3.5 kV/mm
4. ✔ 5 kV/mm

Question Number : 66 Question Id : 75322920761 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

यदि सजातीय विद्युत्रोधन के एक केबल का अधिकतम प्रतिबल 5 kV/mm है, तो विद्युत्रोधन का परावैद्युत सामर्थ्य _____ होना चाहिए।

Options :

1. ✖ 1.5 kV/mm
2. ✖ 2.5 kV/mm
3. ✖ 3.5 kV/mm
4. ✔ 5 kV/mm

Question Number : 67 Question Id : 75322920762 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

A _____ is a conductor which connects the sub-station (or localized generating station) to the area where power is to be distributed.

Options :

1. ✖ Service mains
2. ✖ Distributor
3. ✔ Feeder
4. ✖ Fuse link

Question Number : 67 Question Id : 75322920762 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

_____ एक चालक है जो सब-स्टेशन (या स्थानीयकृत उत्पादन स्टेशन) को उस क्षेत्र से जोड़ता है जहां बिजली वितरित की जानी है।

Options :

1. ✖ सर्विस मेंस (Service mains)
2. ✖ वितरक (Distributor)
3. ✔ फीडर (Feeder)
4. ✖ फ्यूज लिंक (Fuse link)

Question Number : 68 Question Id : 75322920763 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

With reference to distribution systems, state TRUE/FALSE for following statement:

1. The overhead system is much more flexible than the underground system.
2. For same size of conductors, the current carrying capacity of under ground conductor is more than overhead conductor.

Options :

1. ✖ 1-True, 2-True
2. ✖ 1-False, 2-False
3. ✔ 1-True, 2-False
4. ✖ 1-False, 2-True

Question Number : 68 Question Id : 75322920763 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

वितरण प्रणाली के संदर्भ में, निम्नलिखित कथन में सत्य/असत्य बताएं:

1. शिरोपरि प्रणाली, भूमिगत प्रणाली की तुलना में बहुत अधिक फ्लेक्सिबल होती है।
2. समान आकार के चालकों के लिए, भूमिगत चालक की करंट ले जाने की क्षमता शिरोपरि चालक से अधिक होती है।

Options :

1. ✖ 1-सत्य, 2-सत्य
2. ✖ 1-असत्य, 2-असत्य
3. ✔ 1-सत्य, 2-असत्य
4. ✖ 1-असत्य, 2-सत्य

Question Number : 69 Question Id : 75322920764 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

If a $50\ \Omega$ resistor carries 10 mA current through it, find the voltage drop across the resistor.

Options :

1. ✔ 0.5 V
2. ✖ 5 V
3. ✖ 50 V
4. ✖ 500 V

Question Number : 69 Question Id : 75322920764 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

यदि $50\ \Omega$ का प्रतिरोधक 10 mA की धारा वहन करता है, तो प्रतिरोधक में वोल्टता पात (voltage drop) ज्ञात कीजिए।

Options :

1. ✓ 0.5 V
2. ✗ 5 V
3. ✗ 50 V
4. ✗ 500 V

Question Number : 70 Question Id : 75322920765 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

A conductor carries 2 A current. What will be the number of electrons passing through the conductor in every second?

Options :

1. ✗ 6.25×10^{18}
2. ✓ 12.5×10^{18}
3. ✗ 6.25×10^{19}
4. ✗ 12.5×10^{19}

Question Number : 70 Question Id : 75322920765 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

एक चालक में 2 A की धारा प्रवाहित होती है। प्रत्येक सेकंड में चालक से गुजरने वाले इलेक्ट्रॉनों की संख्या क्या होगी?

Options :

1. ✖ 6.25×10^{18}
2. ✔ 12.5×10^{18}
3. ✖ 6.25×10^{19}
4. ✖ 12.5×10^{19}

Question Number : 71 Question Id : 75322920766 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

If temperature is increased, then the resistance of _____ will increase.

Options :

1. ✖ Mica
2. ✖ Glass
3. ✔ Iron
4. ✖ Silicon

Question Number : 71 Question Id : 75322920766 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

यदि तापमान बढ़ा दिया जाए, तो _____ का प्रतिरोध बढ़ जाएगा।

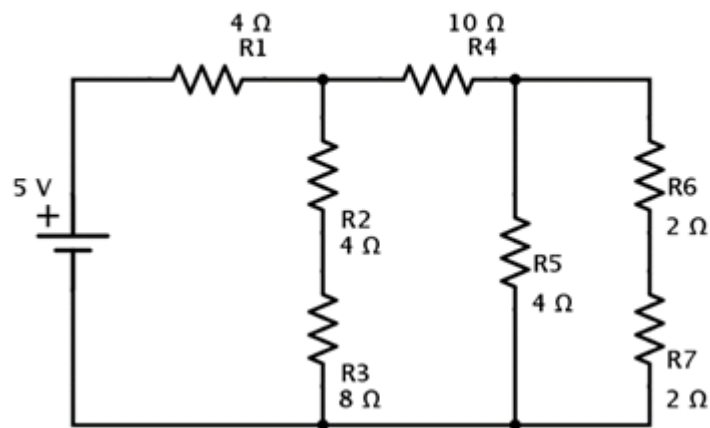
Options :

1. ✖ अश्वक
2. ✖ काँच
3. ✔ लोहे
4. ✖ सिलिकॉन

Question Number : 72 Question Id : 75322920767 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Find the current through the resistor R_1 in following circuit:



Options :

1. ✖ 0.25 A

2. ✔ 0.5 A

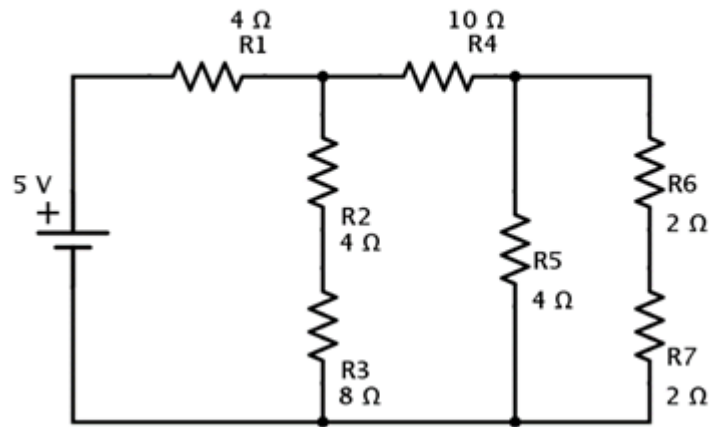
3. ✖ 1.0 A

4. ✖ 2.0 A

Question Number : 72 Question Id : 75322920767 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित परिपथ में प्रतिरोध R_1 में धारा ज्ञात कीजिए:



Options :

1. ✖ 0.25 A

2. ✔ 0.5 A

3. ✖ 1.0 A

4. ✖ 2.0 A

Question Number : 73 Question Id : 75322920768 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

_____ in magnetic circuit is analogous to current in electric circuit.

Options :

1. ✖ Reluctance
2. ✖ Permeance
3. ✖ Magnetomotive force
4. ✔ Flux

Question Number : 73 Question Id : 75322920768 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

चुंबकीय परिपथ में _____ विद्युत परिपथ में धारा के अनुरूप होता है।

Options :

1. ✖ प्रतिष्टम्भ (Reluctance)
2. ✖ पारगमन (Permeance)
3. ✖ चुंबकत्व वाहक बल (Magnetomotive force)

4. ✓ फ्लक्स (Flux)

Question Number : 74 Question Id : 75322920769 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following statement is CORRECT for magnetic circuit?

Options :

1. ✓ The reluctance of magnetic circuit is not constant.
2. ✗ Reluctance causes the waste of energy.
3. ✗ Flux cannot be set in air.
4. ✗ Iron is a perfect magnetic insulator.

Question Number : 74 Question Id : 75322920769 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित में से कौन सा कथन चुंबकीय परिपथ के लिए सही है?

Options :

1. ✓ चुंबकीय परिपथ का प्रतिष्टम्भ (Reluctance) स्थिर नहीं होता है।
2. ✗ प्रतिष्टम्भ (Reluctance) ऊर्जा बर्बादी का कारण बनता है।
3. ✗ फ्लक्स को हवा में सेट नहीं किया जा सकता है।

4. ✖ आयरन एक आदर्श चुंबकीय इन्सुलेटर है।

Question Number : 75 Question Id : 75322920770 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Express the sinusoid as phasor:

$$i(t) = 7 \cos (2t + 40^\circ).$$

Options :

1. ✖ $14 \angle 20^\circ$ A

2. ✖ $14 \angle 40^\circ$ A

3. ✔ $7 \angle 40^\circ$ A

4. ✖ $7 \angle 20^\circ$ A

Question Number : 75 Question Id : 75322920770 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

ज्यावक्र को फेजर के रूप में व्यक्त करें।

$$i(t) = 7 \cos (2t + 40^\circ)$$

Options :

1. ✖ $14 \angle 20^\circ$ A

2. ✖ $14 \angle 40^\circ$ A

3. ✓ 7 $\angle 40^\circ$ A

4. ✗ 7 $\angle 20^\circ$ A

Question Number : 76 Question Id : 75322920771 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

A coil of 9 H is mutually coupled with a coil of 16 H, If the mutual inductance between the two coils is 6H, find the coefficient of coupling.

Options :

1. ✓ 0.5

2. ✗ 0.6

3. ✗ 0.7

4. ✗ 0.8

Question Number : 76 Question Id : 75322920771 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

9H की एक कुण्डली को 16H की कुण्डली के साथ परस्पर युग्मित किया जाता है। यदि दोनों कुण्डलियों के बीच अन्योन्य प्रेरकत्व 6H है, तो युग्मन गुणांक ज्ञात कीजिए।

Options :

1. ✓ 0.5

2. ✗ 0.6

3. ✖ 0.7

4. ✖ 0.8

Question Number : 77 Question Id : 75322920772 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following is a soft magnetic material?

Options :

1. ✖ Alnico

2. ✖ Carbon steel

3. ✖ Tungsten steel

4. ✔ Iron-silicon alloy

Question Number : 77 Question Id : 75322920772 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित में से कौन एक मृदु चुंबकीय पदार्थ है?

Options :

1. ✖ अल्लिनको

2. ✖ कार्बन स्टील

3. ✖ टंगस्टन स्टील

4. ✔ लौह-सिलिकॉन मिश्र धातु

Question Number : 78 Question Id : 75322920773 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following is NOT an insulator?

Options :

1. ✖ Mica

2. ✔ Germanium

3. ✖ Porcelain

4. ✖ Rubber

Question Number : 78 Question Id : 75322920773 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित में से क्या एक इन्सुलेटर नहीं है?

Options :

1. ✖ अभ्रक

2. ✔ जर्मेनियम

3. ✖ पॉर्सिलेन

4. ✖ रबर

Question Number : 79 Question Id : 75322920774 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

For intrinsic semiconductors, which of the following statement is correct?

Options :

1. ✖ Trivalent or pentavalent impurity is always present.
2. ✖ Density of electrons is more than the density of holes
3. ✖ Density of electrons is less than the density of holes
4. ✔ Density of electrons is equal to the density of holes

Question Number : 79 Question Id : 75322920774 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

नैज अर्धचालकों के लिए, निम्नलिखित में से कौन सा कथन सही है?

Options :

1. ✖ त्रिसंयोजी या पंचसंयोजी अशुद्धता सदैव उपस्थित रहती है।
2. ✖ इलेक्ट्रॉनों का घनत्व, छिद्रों के घनत्व से अधिक होता है

3. ✖ इलेक्ट्रॉनों का घनत्व, छिद्रों के घनत्व से कम होता है
4. ✔ इलेक्ट्रॉनों का घनत्व, छिद्रों के घनत्व के बराबर होता है

Question Number : 80 Question Id : 75322920775 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Identify the diode shown in following figure:



Options :

1. ✖ LED
2. ✔ Photodiode
3. ✖ Zener diode
4. ✖ Varactor diode

Question Number : 80 Question Id : 75322920775 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित आकृति में दिखाए गए डायोड को पहचानिए:



Options :

1. ✖ LED

2. ✔ प्रकाश डायोड

3. ✖ जेनर डायोड

4. ✖ वैरेक्टर डायोड

Discipline5

Group Number :	5
Group Id :	753229690
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

Discipline5

Section Id :	753229866
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 :	7532291360
Question Shuffling Allowed :	Yes
Is Section Default? :	null

Question Number : 81 Question Id : 75322920776 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.25

एक सेंटर-टैप्ड पूर्ण तरंग दिष्टकारी के लिए _____ की आवश्यकता होती है।

Options :

1. ✖ 1 डायोड
2. ✔ 2 डायोडों
3. ✖ 4 डायोडों
4. ✖ 8 डायोडों

Question Number : 81 Question Id : 75322920776 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.25

A center-tapped full wave rectifier requires _____.

Options :

1. ✖ 1 diode

2. ✓ 2 diodes

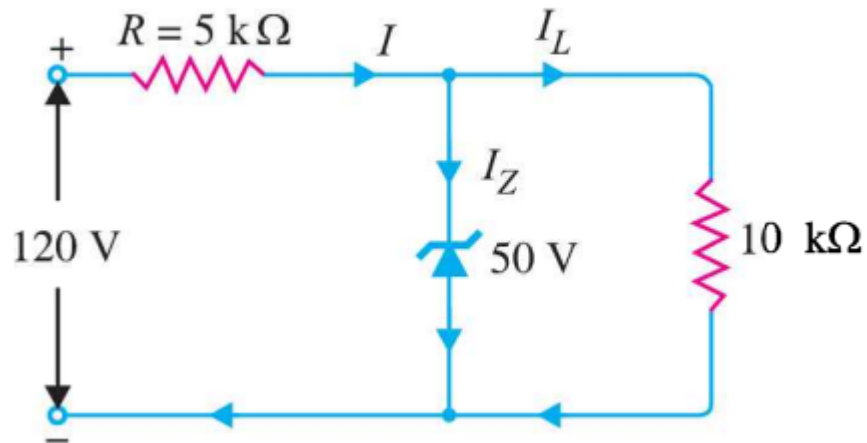
3. ✗ 4 diodes

4. ✗ 8 diodes

Question Number : 82 Question Id : 75322920777 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

For the circuit shown below, find the voltage drop in series resistor R:



Options :

1. ✗ 50 V

2. ✗ 60 V

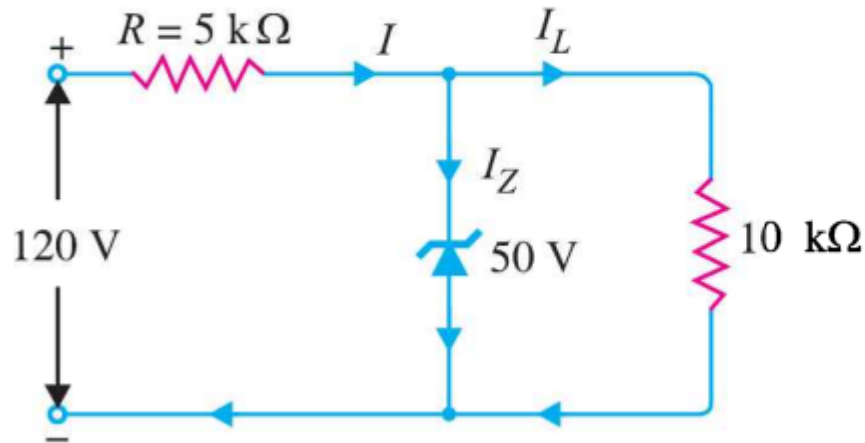
3. ✓ 70 V

4. ✗ 80 V

Question Number : 82 Question Id : 75322920777 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

नीचे दिखाए गए परिपथ के लिए, श्रेणीक्रम प्रतिरोधक R में वोल्टता पात ज्ञात कीजिए:



Options :

1. ✗ 50 V
2. ✗ 60 V
3. ✓ 70 V
4. ✗ 80 V

Question Number : 83 Question Id : 75322920778 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

With reference to common emitter configuration of transistor, which of the following is WRONG?

Options :

1. ✓ High input resistance
2. ✗ High output resistance
3. ✗ Voltage gain greater than unity
4. ✗ Current gain greater than unity

Question Number : 83 Question Id : 75322920778 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

ट्रांजिस्टर के सामान्य उत्सर्जक विन्यास के संदर्भ में, निम्नलिखित में से कौन-सा कथन गलत है?

Options :

1. ✓ उच्च निवेश प्रतिरोध
2. ✗ उच्च निर्गम प्रतिरोध
3. ✗ एक से अधिक वोल्टता लब्धि
4. ✗ एक से अधिक धारा लब्धि

Question Number : 84 Question Id : 75322920779 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

As compared to vacuum tube, transistor has _____.

Options :

1. ✖ Low voltage gain
2. ✖ High supply voltage
3. ✖ High input impedance
4. ✔ Low power dissipation

Question Number : 84 Question Id : 75322920779 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

निर्वात नली की तुलना में ट्रांजिस्टर में _____ होती है।

Options :

1. ✖ निम्न वोल्टता लब्धि
2. ✖ उच्च आपूर्ति वोल्टता
3. ✖ उच्च निवेश प्रतिबाधा
4. ✔ निम्न शक्ति-क्षय

Question Number : 85 Question Id : 75322920780 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

The process of making operating point independent of temperature changes or variations in transistor parameters is called _____.

Options :

1. ✖ Saturation
2. ✔ Stabilization
3. ✖ Biasing
4. ✖ Amplification

Question Number : 85 Question Id : 75322920780 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

प्रचालन बिंदु को तापमान परिवर्तन या ट्रांजिस्टर मापदंडों में परिवर्तन से स्वतंत्र बनाने की प्रक्रिया को क्या कहा जाता है?

Options :

1. ✖ संतृप्तिकरण (Saturation)
2. ✔ स्थिरीकरण (Stabilization)
3. ✖ अभिनतीकरण (Biasing)
4. ✖ प्रवर्धन (Amplification)

Question Number : 86 Question Id : 75322920781 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Convert $(128)_{10}$ into equivalent binary number.

Options :

1. ✖ $(10000010)_2$
2. ✖ $(11000000)_2$
3. ✖ $(10001000)_2$
4. ✔ $(10000000)_2$

Question Number : 86 Question Id : 75322920781 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

$(128)_{10}$ को समतुल्य द्विआधारी संख्या में बदलें।

Options :

1. ✖ $(10000010)_2$
2. ✖ $(11000000)_2$
3. ✖ $(10001000)_2$
4. ✔ $(10000000)_2$

Question Number : 87 Question Id : 75322920782 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Convert $(10011101)_2$ into equivalent hexadecimal number.

Options :

1. ✓ $(9D)_{16}$

2. ✗ $(8D)_{16}$

3. ✗ $(9E)_{16}$

4. ✗ $(8E)_{16}$

Question Number : 87 Question Id : 75322920782 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

$(10011101)_2$ को समतुल्य हेक्साडेसिमल संख्या में बदलें।

Options :

1. ✓ $(9D)_{16}$

2. ✗ $(8D)_{16}$

3. ✗ $(9E)_{16}$

4. ✗ $(8E)_{16}$

Question Number : 88 Question Id : 75322920783 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

A two-input gate gives HIGH output only when both the inputs are LOW or HIGH at the same time. Identify the logic gate.

Options :

1. ✖ OR
2. ✖ NOR
3. ✖ XOR
4. ✔ XNOR

Question Number : 88 Question Id : 75322920783 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

दो-इनपुट गेट केवल तभी उच्च आउटपुट देता है, जब एक ही समय में दोनों इनपुट निम्न या उच्च होते हैं। लॉजिक गेट की पहचान करें।

Options :

1. ✖ OR
2. ✖ NOR
3. ✖ XOR
4. ✔ XNOR

Question Number : 89 Question Id : 75322920784 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which gate is shown with following symbol?



Options :

1. ✘ NOT
2. ✔ NOR
3. ✘ OR
4. ✘ NAND

Question Number : 89 Question Id : 75322920784 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित प्रतीक द्वारा कौन सा गेट दिखाया गया है?



Options :

1. ✘ NOT
2. ✔ NOR

3. ✖ OR

4. ✖ NAND

Question Number : 90 Question Id : 75322920785 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following is NOT an example of combinational circuit?

Options :

1. ✔ Flip-flop

2. ✖ Multiplexer

3. ✖ Encoder

4. ✖ Adder

Question Number : 90 Question Id : 75322920785 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित में से कौन संयोजन परिपथ का उदाहरण नहीं है?

Options :

1. ✔ फ्लिप-फ्लॉप (Flip-flop)

2. ✖ बहुसंकेतक (Multiplexer)

3. ✖ एनकोडर (Encoder)

4. ✖ योजक (Adder)

Question Number : 91 Question Id : 75322920786 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

In 8085 microprocessor, the stack pointer is a _____ register used as a memory pointer.

Options :

1. ✖ 4-bit

2. ✖ 8-bit

3. ✔ 16-bit

4. ✖ 32-bit

Question Number : 91 Question Id : 75322920786 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

8085 माइक्रोप्रोसेसर में, चिति सूचक (stack pointer) एक _____ रजिस्टर होता है जिसका उपयोग मेमोरी सूचक के रूप में किया जाता है।

Options :

1. ✖ 4-बिट

2. ✖ 8-बिट

3. ✓ 16-बिट

4. ✗ 32-बिट

Question Number : 92 Question Id : 75322920787 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

In 8085 microprocessor, the meaning of the instruction MOV B, C is _____.

Options :

1. ✗ Transfer the contents of register B to register C
2. ✓ Transfer the contents of register C to register B
3. ✗ Transfer the contents of register B and register C to accumulator
4. ✗ Clear the contents of register B and register C

Question Number : 92 Question Id : 75322920787 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

8085 माइक्रोप्रोसेसर में, अनुदेश MOV B, C का अर्थ इनमें से क्या होता है।

Options :

1. ✗ रजिस्टर B के कंटेंट को रजिस्टर C में ट्रांसफर करना
2. ✓ रजिस्टर C के कंटेंट को रजिस्टर B में ट्रांसफर करना

3. ✖ रजिस्टर B और रजिस्टर C के कंटेंट को संचायक में ट्रांसफर करना
4. ✖ रजिस्टर B और रजिस्टर C के कंटेंट को क्लीयर करना

Question Number : 93 Question Id : 75322920788 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

How many I/O ports are available in a multipurpose programmable interface 8155?

Options :

1. ✖ 6
2. ✖ 5
3. ✖ 4
4. ✔ 3

Question Number : 93 Question Id : 75322920788 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

एक बहुउद्देशीय प्रोग्रामयोग्य इंटरफ़ेस 8155 में कितने I/O पोर्ट उपलब्ध होते हैं?

Options :

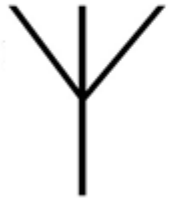
1. ✖ 6
2. ✖ 5
3. ✖ 4

4. ✓ 3

Question Number : 94 Question Id : 75322920789 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

In electrical drawings following symbol is used for _____.



Options :

1. ✗ Earthing

2. ✗ Fan

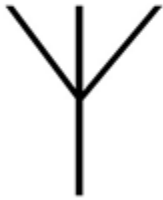
3. ✓ Antenna

4. ✗ Fuse

Question Number : 94 Question Id : 75322920789 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

विद्युत आरेखण (electrical drawings) में निम्नलिखित प्रतीक का उपयोग _____ के लिए किया जाता है।



Options :

1. ✖ अर्थिंग
2. ✖ फैन
3. ✔ एंटीना
4. ✖ फ्यूज

Question Number : 95 Question Id : 75322920790 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Following symbol is used for _____.



Options :

1. ✔ Distribution fuse board with switches
2. ✖ Distribution fuse board without switches

- 3. ✖ Mains fuse board with switches
- 4. ✖ Mains fuse board without switches

Question Number : 95 Question Id : 75322920790 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित प्रतीक का उपयोग _____ के लिए किया जाता है।



Options :

- 1. ✔ स्विच वाले वितरण फ्यूज बोर्ड
- 2. ✖ बिना स्विच वाले वितरण फ्यूज बोर्ड
- 3. ✖ स्विच वाले मेन फ्यूज बोर्ड
- 4. ✖ बिना स्विच वाले मेन फ्यूज बोर्ड

Question Number : 96 Question Id : 75322920791 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Galvanized steel wire can not be used as _____.

Options :

1. ✖ Stay wire
2. ✖ Earth wire
3. ✖ Structural component
4. ✔ Fuse wire

Question Number : 96 Question Id : 75322920791 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

गैल्वनित इस्पात के तार का उपयोग _____ के रूप में नहीं किया जा सकता है।

Options :

1. ✖ ऊर्ध्वस्थापी तार (Stay wire)
2. ✖ भू-तार (Earth wire)
3. ✖ संरचनात्मक घटक (Structural component)
4. ✔ फ्यूज तार (Fuse wire)

Question Number : 97 Question Id : 75322920792 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

_____ is an apparatus in which nuclear fuel is subjected to nuclear fission.

Options :

1. ✖ Turbine
2. ✔ Nuclear reactor
3. ✖ Heat exchanger
4. ✖ Alternator

Question Number : 97 Question Id : 75322920792 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

_____ एक उपकरण है जिसमें जिसमें नाभिकीय ईंधन, परमाणु विखंडन के अधीन होता है।

Options :

1. ✖ टर्बाइन (Turbine)
2. ✔ नाभिकीय रिएक्टर (Nuclear reactor)
3. ✖ ऊष्मा-विनिमयित्र (Heat exchanger)
4. ✖ प्रत्यावर्तित्र (Alternator)

Question Number : 98 Question Id : 75322920793 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

In hydroelectric power plant, automatic butterfly valve is provided for the protection of _____.

Options :

1. ✖ Surge tank
2. ✖ Dam
3. ✖ Spillways
4. ✔ Penstock

Question Number : 98 Question Id : 75322920793 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.25

जलविद्युत्त शक्ति संयंत्र में, _____ की सुरक्षा के लिए स्वचालित तितलीनुमा वाल्व प्रदान किया जाता है।

Options :

1. ✖ सर्ज टैंक (Surge tank)
2. ✖ बाँध (Dam)
3. ✖ अधिप्लव मार्ग (Spillways)
4. ✔ पेनस्टॉक (Penstock)

Question Number : 99 Question Id : 75322920794 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.25

In thermal power plant, flue gases do not pass through the _____.

Options :

1. ✖ Air-preheater
2. ✖ Superheater
3. ✔ Condenser
4. ✖ Economizer

Question Number : 99 Question Id : 75322920794 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

ताप शक्ति संयंत्र में, फ्लू गैस _____ से नहीं गुजरती हैं।

Options :

1. ✖ वायु पूर्वतापक
2. ✖ अतितापित्र
3. ✔ संघनित्र
4. ✖ इकोनोमाइज़र

Question Number : 100 Question Id : 75322920795 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

For a thermal power plant, thermal efficiency is 50% and electrical efficiency is 60%. Find the overall efficiency.

Options :

1. ✓ 30%

2. ✗ 40%

3. ✗ 55%

4. ✗ 70%

Question Number : 100 Question Id : 75322920795 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

एक ताप शक्ति संयंत्र के लिए, ऊष्मीय दक्षता 50% और विद्युत दक्षता 60% है। समग्र दक्षता ज्ञात कीजिए।

Options :

1. ✓ 30%

2. ✗ 40%

3. ✗ 55%

4. ✗ 70%

Discipline6

Group Number :

6

Group Id :

753229691

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

Discipline6

Section Id :	753229867
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 :	7532291361
Question Shuffling Allowed :	Yes
Is Section Default? :	null

Question Number : 101 Question Id : 75322920796 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

If the maximum demand on the plant is equal to the plant capacity, then the reserve capacity of the plant will be _____.

Options :

1. ✓ Zero

2. ✗ 10%

3. ✖ 20%

4. ✖ 50%

Question Number : 101 Question Id : 75322920796 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

यदि संयंत्र पर अधिकतम मांग संयंत्र की क्षमता के बराबर है, तो संयंत्र की आरक्षित क्षमता होगी:

Options :

1. ✔ शून्य

2. ✖ 10%

3. ✖ 20%

4. ✖ 50%

Question Number : 102 Question Id : 75322920797 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

If the maximum demand on the power station is 80 MW and the demand factor is 0.8, find the connected load.

Options :

1. ✖ 64 MW

2. ✖ 80 MW

3. ✔ 100 MW

4. ✖ 120 MW

Question Number : 102 Question Id : 75322920797 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

यदि पावर स्टेशन पर अधिकतम मांग 80 MW है और मांग गुणक 0.8 है, तो संबद्ध भार ज्ञात कीजिए।

Options :

1. ✖ 64 MW

2. ✖ 80 MW

3. ✔ 100 MW

4. ✖ 120 MW

Question Number : 103 Question Id : 75322920798 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

State TRUE/FALSE with reference to the diversity factor of the power plant:

1. Diversity factor is always less than unity.

2. The greater the diversity factor, the lesser is the cost of generation of power.

Options :

1. ✖ 1-True, 2-True

2. ✖ 1-False, 2-False

3. ✖ 1-True, 2-False

4. ✔ 1-False, 2-True

Question Number : 103 Question Id : 75322920798 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

शक्ति संयंत्र के विविधता अनुपात के संदर्भ में सत्य/असत्य बताएं:

1. विविधता अनुपात सदैव एक से कम होता है।

2. विविधता अनुपात जितना अधिक होगा, बिजली उत्पादन की लागत उतनी ही कम होगी।

Options :

1. ✖ 1-सत्य, 2-सत्य

2. ✖ 1-असत्य, 2-असत्य

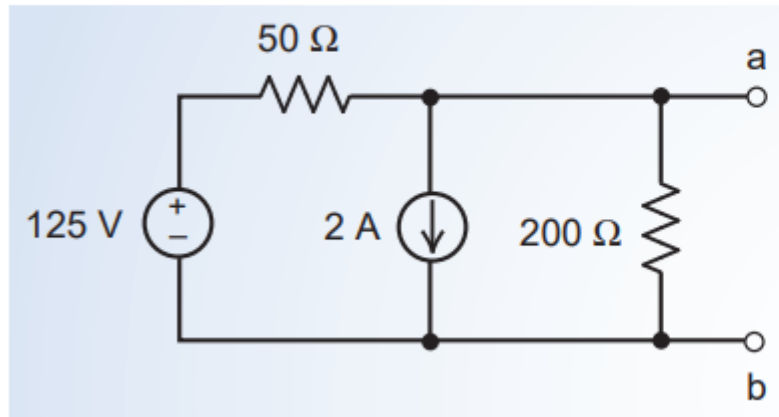
3. ✖ 1-सत्य, 2-असत्य

4. ✔ 1-असत्य, 2-सत्य

Question Number : 104 Question Id : 75322920799 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Find the Thevenin's voltage and Thevenin's resistance between the terminals 'a' and 'b' in following circuit:

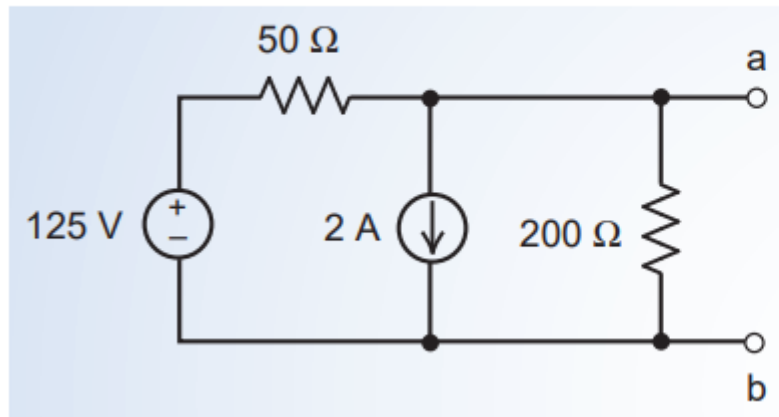


Options :

1. ✗ $V_{TH} = 25 \text{ V}$, $R_{TH} = 50 \text{ } \Omega$
2. ✗ $V_{TH} = 20 \text{ V}$, $R_{TH} = 50 \text{ } \Omega$
3. ✓ $V_{TH} = 20 \text{ V}$, $R_{TH} = 40 \text{ } \Omega$
4. ✗ $V_{TH} = 25 \text{ V}$, $R_{TH} = 40 \text{ } \Omega$

Question Number : 104 Question Id : 75322920799 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित परिपथ में टर्मिनल 'a' और 'b' के बीच थेवेनिन वोल्टता और थेवेनिन प्रतिरोध ज्ञात कीजिए।



Options :

1. ✗ $V_{TH} = 25 \text{ V}$, $R_{TH} = 50 \text{ } \Omega$
2. ✗ $V_{TH} = 20 \text{ V}$, $R_{TH} = 50 \text{ } \Omega$
3. ✓ $V_{TH} = 20 \text{ V}$, $R_{TH} = 40 \text{ } \Omega$
4. ✗ $V_{TH} = 25 \text{ V}$, $R_{TH} = 40 \text{ } \Omega$

Question Number : 105 Question Id : 75322920800 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Usually the field winding of a DC shunt machine has a _____ number of turns and _____ cross sectional area.

Options :

1. ✗ Large, large

2. ✓ Large, small

3. ✗ Small, small

4. ✗ Small, large

Question Number : 105 Question Id : 75322920800 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

आमतौर पर डीसी (DC) शंट मशीन की फील्ड वाइंडिंग में _____ संख्या में फेरे और _____ अनुप्रस्थ काट क्षेत्रफल होता है।

Options :

1. ✗ अधिक, अधिक

2. ✓ अधिक, कम

3. ✗ कम, कम

4. ✗ कम, अधिक

Question Number : 106 Question Id : 75322920801 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following is NOT a valid method of speed control of dc motor?

Options :

1. ✗ Variation of armature resistance

2. ✖ Variation of field flux
3. ✖ Variation of armature voltage
4. ✔ Variation of load

Question Number : 106 Question Id : 75322920801 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित में से कौन dc मोटर के गति नियंत्रण की मान्य विधि नहीं है?

Options :

1. ✖ आर्मेचर प्रतिरोध की भिन्नता
2. ✖ क्षेत्र अभिवाह की भिन्नता
3. ✖ आर्मेचर वोल्टेज की भिन्नता
4. ✔ लोड की भिन्नता

Question Number : 107 Question Id : 75322920802 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.25

For a single-phase half wave controlled rectifier with resistive load and supplied through a 230 V, 50 Hz supply, the maximum value of output voltage is _____.

Options :

1. ✖ $\frac{230}{2\pi}$

2. ✖ $\frac{230\sqrt{2}}{2\pi}$

3. ✔ $\frac{230\sqrt{2}}{\pi}$

4. ✖ $\frac{115\sqrt{2}}{\pi}$

Question Number : 107 Question Id : 75322920802 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

प्रतिरोधी भार और 230 V, 50 Hz आपूर्ति के माध्यम से आपूरित सिंगल फेज वाले अर्द्ध-तरंग नियंत्रित दिष्टकारी के लिए, निर्गम वोल्टता का अधिकतम मान _____ होगा।

Options :

1. ✖ $\frac{230}{2\pi}$

2. ✖ $\frac{230\sqrt{2}}{2\pi}$

3. ✔ $\frac{230\sqrt{2}}{\pi}$

4. ✖ $\frac{115\sqrt{2}}{\pi}$

Question Number : 108 Question Id : 75322920803 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

The mass of which atom is taken as the base while defining atomic mass of an element?

Options :

1. ✖ Hydrogen
2. ✖ Oxygen
3. ✔ Carbon
4. ✖ Neon

Question Number : 108 Question Id : 75322920803 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

किसी तत्व के परमाणु द्रव्यमान को परिभाषित करते समय किस परमाणु के द्रव्यमान को आधार माना जाता है?

Options :

1. ✖ हाइड्रोजन
2. ✖ ऑक्सीजन
3. ✔ कार्बन
4. ✖ निऑन

Question Number : 109 Question Id : 75322920804 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

How many electrons can be accommodated in the M cell of an atom?

Options :

1. ✖ 2

2. ✖ 8

3. ✔ 18

4. ✖ 32

Question Number : 109 Question Id : 75322920804 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

एक परमाणु के M सेल में कितने इलेक्ट्रान समाहित हो सकते हैं?

Options :

1. ✖ 2

2. ✖ 8

3. ✔ 18

4. ✖ 32

Question Number : 110 Question Id : 75322920805 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Calculate the molality of a solution containing 4 g of sodium hydroxide (NaOH) in 500 g of water. (Molecular mass of sodium hydroxide = 40.)

Options :

1. ✓ 0.2 m
2. ✗ 0.8 m
3. ✗ 2 m
4. ✗ 8 m

Question Number : 110 Question Id : 75322920805 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

500 g जल में 4 g सोडियम हाइड्रॉक्साइड (NaOH) युक्त विलयन की मोललता का परिकलन करें। (सोडियम हाइड्रॉक्साइड का आणविक द्रव्यमान = 40 है)

Options :

1. ✓ 0.2 m
2. ✗ 0.8 m
3. ✗ 2 m
4. ✗ 8 m

Question Number : 111 Question Id : 75322920806 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Sterilisation is the process of killing the bacteria. It is done by:

Options :

1. ✓ chlorination
2. ✗ osmosis
3. ✗ oxidation
4. ✗ reduction

Question Number : 111 Question Id : 75322920806 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

निर्जर्मिकरण (Sterilisation) बैक्टीरिया को मारने की प्रक्रिया है। यह किसके द्वारा किया जाता है?

Options :

1. ✓ क्लोरीनन (chlorination)
2. ✗ परासरण (osmosis)
3. ✗ ऑक्सीकरण (oxidation)
4. ✗ अपचयन (reduction)

Question Number : 112 Question Id : 75322920807 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following is the first stage of formation of coal from wood?

Options :

1. ✓ Peat
2. ✗ Lignite
3. ✗ Bituminous coal
4. ✗ Anthracite coal

Question Number : 112 Question Id : 75322920807 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित में से कौन सा लकड़ी से कोयले के निर्माण का पहला चरण है?

Options :

1. ✓ पीट
2. ✗ लिग्नाइट
3. ✗ बिटुमेनी कोयला
4. ✗ ऐन्थ्रासाइट कोयला

Question Number : 113 Question Id : 75322920808 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

The force (F) that exists between two point-source charges (Q_1 and Q_2) in air is:

Options :

1. ✓ $F = \frac{9 \cdot 10^9 \cdot Q_1 Q_2}{d^2}$

2. ✗ $F = \frac{8.854 \cdot 10^{12} \cdot Q_1 Q_2}{d^2}$

3. ✗ $F = \frac{6.023 \cdot 10^{18} \cdot Q_1 Q_2}{d^2}$

4. ✗ $F = \frac{6 \cdot 10^{28} \cdot Q_1 Q_2}{d^2}$

Question Number : 113 Question Id : 75322920808 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

वायु में दो बिंदु-स्रोत आवेशों (Q1 और Q2) के बीच मौजूद बल (F) क्या है?

Options :

1. ✓ $F = \frac{9 \cdot 10^9 \cdot Q_1 Q_2}{d^2}$

2. ✗ $F = \frac{8.854 \cdot 10^{12} \cdot Q_1 Q_2}{d^2}$

3. ✗ $F = \frac{6.023 \cdot 10^{18} \cdot Q_1 Q_2}{d^2}$

4. ✗ $F = \frac{6 \cdot 10^{28} \cdot Q_1 Q_2}{d^2}$

Question Number : 114 Question Id : 75322920809 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.25



The given symbol represents:

Options :

1. ✖ a variable capacitor
2. ✖ an electrolytic capacitor
3. ✔ a trimmer capacitor
4. ✖ a paper capacitor

Question Number : 114 Question Id : 75322920809 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.25



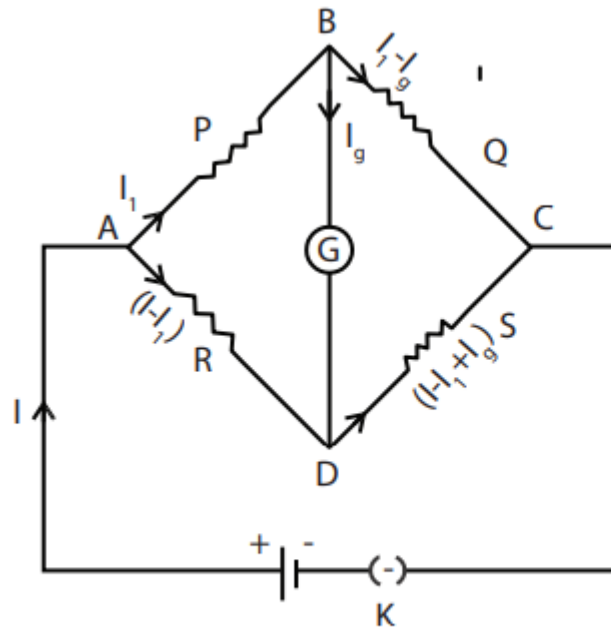
दिया गया प्रतीक निम्नलिखित में से किसको दर्शाता है?

Options :

1. ✖ एक परिवर्ती संधारित्र (a variable capacitor)

2. ✖ एक विद्युत् अपघटनी संधारित्र (an electrolytic capacitor)
3. ✔ एक सूक्ष्म समंजक संधारित्र (a trimmer capacitor)
4. ✖ एक कागज संधारित्र (a paper capacitor)

Question Number : 115 Question Id : 75322920810 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.25



Derive the relation between the resistances P, Q, R and S by applying Kirchhoff's laws to the given Wheatstone bridge.

Options :

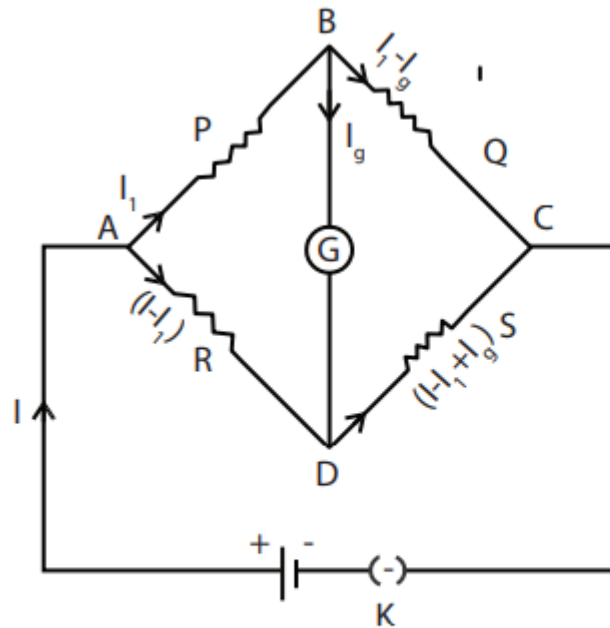
1. ✖ $\frac{P}{S} = \frac{Q}{R}$

2. ✓ $\frac{P}{Q} = \frac{R}{S}$

3. ✗ $\frac{S}{Q} = \frac{P}{R}$

4. ✗ $\frac{P}{S} = \frac{R}{Q}$

Question Number : 115 Question Id : 75322920810 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.25



दिए गए ह्वीटस्टोन सेतु (Wheatstone bridge) पर किरचॉफ के नियमों को लागू करके प्रतिरोधों P, Q, R और S के बीच संबंध व्युत्पन्न करें।

Options :

1. ✖ $\frac{P}{S} = \frac{Q}{R}$

2. ✔ $\frac{P}{Q} = \frac{R}{S}$

3. ✖ $\frac{S}{Q} = \frac{P}{R}$

4. ✖ $\frac{P}{S} = \frac{R}{Q}$

Question Number : 116 Question Id : 75322920811 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

What is the order of the majority charge carriers' electrons in silicon due to thermal excitation at 300 K?

Options :

1. ✖ 10^8

2. ✖ 10^{12}

3. ✔ 10^{16}

4. ✖ 10^{24}

Question Number : 116 Question Id : 75322920811 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

300 K पर ऊष्मीय उत्तेजन के कारण सिलिकॉन में बहुसंख्यक आवेश वाहकों के इलेक्ट्रॉनों का क्रम क्या है?

Options :

1. ✖ 10^8

2. ✖ 10^{12}

3. ✔ 10^{16}

4. ✖ 10^{24}

Question Number : 117 Question Id : 75322920812 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

The energy of the photon released ($E_2 - E_1$) is given as $h * \gamma$, where γ is the frequency of the radiation. Determine the value of h .

Options :

1. ✖ $6.623 \times 10^{-24} \text{ Js}$

2. ✔ $6.623 \times 10^{-34} \text{ Js}$

3. ✖ $8.854 \times 10^{-24} \text{ Js}$

4. ✖ $8.854 \times 10^{-34} \text{ Js}$

Question Number : 117 Question Id : 75322920812 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

जारी किए गए फोटॉन की ऊर्जा ($E_2 - E_1$) को $h \cdot \gamma$ के रूप में दिया जाता है, जहाँ γ विकिरण की आवृत्ति है। h का मान ज्ञात कीजिए।

Options :

1. ✖ $6.623 \times 10^{-24} \text{ Js}$
2. ✔ $6.623 \times 10^{-34} \text{ Js}$
3. ✖ $8.854 \times 10^{-24} \text{ Js}$
4. ✖ $8.854 \times 10^{-34} \text{ Js}$

Question Number : 118 Question Id : 75322920813 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

दिए गए सारणिक में 3 का सह-गुणक ज्ञात कीजिए।

$$\begin{vmatrix} 1 & 2 & 0 \\ -1 & 3 & 4 \\ 5 & 6 & 7 \end{vmatrix}$$

Options :

1. ✖ -27
2. ✖ -4
3. ✔ 7

4. ✖ 8

Question Number : 118 Question Id : 75322920813 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Find the co-factor of 3 in the given determinant.

$$\begin{vmatrix} 1 & 2 & 0 \\ -1 & 3 & 4 \\ 5 & 6 & 7 \end{vmatrix}$$

Options :

1. ✖ -27

2. ✖ -4

3. ✔ 7

4. ✖ 8

Question Number : 119 Question Id : 75322920814 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Find the coefficient of x^6y^3 in the expansion of $(x + 2y)^9$.

Options :

1. ✖ 2016

2. ✖ 1354

3. ✓ 672

4. ✗ 336

Question Number : 119 Question Id : 75322920814 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

$(x + 2y)^9$ के प्रसार में x^6y^3 का गुणांक ज्ञात कीजिए।

Options :

1. ✗ 2016

2. ✗ 1354

3. ✓ 672

4. ✗ 336

Question Number : 120 Question Id : 75322920815 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Find the value of 'a' so that the given matrix is singular.

$$\begin{bmatrix} 1 & -2 & 0 \\ 2 & a & 4 \\ 2 & 1 & 1 \end{bmatrix}$$

Options :

1. ✗ 1

2. ✖ 2

3. ✖ 4

4. ✔ 16

Question Number : 120 Question Id : 75322920815 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.25

'a' का मान ज्ञात कीजिए, ताकि दिया गया आव्यूह (matrix) एकल हो जाए।

$$\begin{bmatrix} 1 & -2 & 0 \\ 2 & a & 4 \\ 2 & 1 & 1 \end{bmatrix}$$

Options :

1. ✖ 1

2. ✖ 2

3. ✖ 4

4. ✔ 16

Discipline7

Group Number :

7

Group Id :

753229692

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

Discipline7

Section Id :	753229868
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 :	7532291362
Question Shuffling Allowed :	Yes
Is Section Default? :	null

Question Number : 121 Question Id : 75322920816 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 1 Wrong Marks : 0.25

Find $\frac{dy}{dx}$ for the equation $x^2 \sin y = C$.

Options :

1. ✖ $\frac{dy}{dx} = \frac{2}{x} \cot y$

2. ✖ $\frac{dy}{dx} = \frac{-2}{x} \cot y$

3. ✖ $\frac{dy}{dx} = \frac{2}{x} \tan y$

4. ✔ $\frac{dy}{dx} = \frac{-2}{x} \tan y$

Question Number : 121 Question Id : 75322920816 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

समीकरण $x^2 \sin y = C$ के लिए $\frac{dy}{dx}$ ज्ञात कीजिए।

Options :

1. ✖ $\frac{dy}{dx} = \frac{2}{x} \cot y$

2. ✖ $\frac{dy}{dx} = \frac{-2}{x} \cot y$

3. ✖ $\frac{dy}{dx} = \frac{2}{x} \tan y$

4. ✔ $\frac{dy}{dx} = \frac{-2}{x} \tan y$

Question Number : 122 Question Id : 75322920817 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.25

Find the modulus and argument of the complex number $\frac{1-i}{1+i}$.

Options :

1. ✖ 1, 0
2. ✔ 1, ∞
3. ✖ 5, 0
4. ✖ 5, ∞

Question Number : 122 Question Id : 75322920817 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.25

सम्मिश्र संख्या $\frac{1-i}{1+i}$ का मापांक और कोणांक ज्ञात करें।

Options :

1. ✖ 1, 0
2. ✔ 1, ∞
3. ✖ 5, 0
4. ✖ 5, ∞

Question Number : 123 Question Id : 75322920818 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

If position vectors of the points A and B are:

$$2\vec{i} + \vec{j} - \vec{k} \text{ and } 5\vec{i} + 4\vec{j} - 3\vec{k}, \text{ find } |\overline{AB}|.$$

Options :

1. ✖ $\sqrt{68}$
2. ✖ $\sqrt{50}$
3. ✖ $\sqrt{34}$
4. ✔ $\sqrt{22}$

Question Number : 123 Question Id : 75322920818 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

यदि बिंदु A और B के स्थिति सदिश $2\vec{i} + \vec{j} - \vec{k}$ और $5\vec{i} + 4\vec{j} - 3\vec{k}$ हैं, तो $|\overline{AB}|$ ज्ञात करें।

Options :

1. ✖ $\sqrt{68}$
2. ✖ $\sqrt{50}$
3. ✖ $\sqrt{34}$

4. ✓ ✓ $\sqrt{22}$

Question Number : 124 Question Id : 75322920819 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Evaluate $\int (2 + \sin x)^3 \cos x \, dx$.

Options :

1. ✗ $\frac{(2 + \sin x)^3}{3} + C$

2. ✓ $\frac{(2 + \sin x)^4}{4} + C$

3. ✗ $\frac{(2 + \cos x)^3}{3} + C$

4. ✗ $\frac{(2 + \cos x)^4}{4} + C$

Question Number : 124 Question Id : 75322920819 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

$\int (2 + \sin x)^3 \cos x \, dx$ का मान ज्ञात करें।

Options :

1. ✗ $\frac{(2 + \sin x)^3}{3} + C$

2. ✓ $\frac{(2 + \sin x)^4}{4} + C$

3. ✗ $\frac{(2 + \cos x)^3}{3} + C$

4. ✗ $\frac{(2 + \cos x)^4}{4} + C$

Question Number : 125 Question Id : 75322920820 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

The acceleration due to gravity at P on the surface is $g = \frac{GM}{R^2}$, where M is the mass of the earth and R is the radius of earth. The value of G is:

Options :

1. ✗ $3.6733 \times 10^{-5} \text{ N m}^2 \text{ kg}^{-2}$

2. ✗ $3.6733 \times 10^{-7} \text{ N m}^2 \text{ kg}^{-2}$

3. ✗ $6.6733 \times 10^{-9} \text{ N m}^2 \text{ kg}^{-2}$

4. ✓ $6.6733 \times 10^{-11} \text{ N m}^2 \text{ kg}^{-2}$

Question Number : 125 Question Id : 75322920820 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

सतह पर P पर गुरुत्वीय त्वरण $g = \frac{GM}{R^2}$ है, जहाँ M पृथ्वी का द्रव्यमान है और R पृथ्वी की त्रिज्या है। G का मान ज्ञात करें।

Options :

1. ✖ $3.6733 \times 10^{-5} \text{ N m}^2 \text{ kg}^{-2}$
2. ✖ $3.6733 \times 10^{-7} \text{ N m}^2 \text{ kg}^{-2}$
3. ✖ $6.6733 \times 10^{-9} \text{ N m}^2 \text{ kg}^{-2}$
4. ✔ $6.6733 \times 10^{-11} \text{ N m}^2 \text{ kg}^{-2}$

Question Number : 126 Question Id : 75322920821 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Find the magnitude and direction of the resultant of two forces 30 N and 40 N acting at right angles to each other.

Options :

1. ✔ 50 N; $\tan^{-1} (1.333)$
2. ✖ 70 N; $\tan^{-1} (1.333)$
3. ✖ 50 N; $\tan^{-1} (0.8)$
4. ✖ 70 N; $\tan^{-1} (0.57)$

Question Number : 126 Question Id : 75322920821 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

एक दूसरे से समकोण पर कार्य करने वाले दो बलों 30 N और 40 N के परिणामी का परिमाण और दिशा ज्ञात करें।

Options :

1. ✓ 50 N; $\tan^{-1}$ (1.333)

2. ✗ 70 N; $\tan^{-1}$ (1.333)

3. ✗ 50 N; $\tan^{-1}$ (0.8)

4. ✗ 70 N; $\tan^{-1}$ (0.57)

Question Number : 127 Question Id : 75322920822 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Time of Flight (T) of the Projectile is given as
(u = initial velocity, α = angle of projection):

Options :

1. ✗ $T = \frac{u \sin \alpha}{g}$

2. ✗ $T = \frac{u \sin \alpha}{2g}$

3. ✓ $T = \frac{2u \sin \alpha}{g}$

4. ✖ $T = \frac{2u \sin \alpha}{g^2}$

Question Number : 127 Question Id : 75322920822 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

प्रक्षेप्य की उड़ान का समय (T) किस प्रकार दर्शाया जाता है (u = प्रारंभिक वेग, α = प्रक्षेपण कोण)?

Options :

1. ✖ $T = \frac{u \sin \alpha}{g}$

2. ✖ $T = \frac{u \sin \alpha}{2g}$

3. ✔ $T = \frac{2u \sin \alpha}{g}$

4. ✖ $T = \frac{2u \sin \alpha}{g^2}$

Question Number : 128 Question Id : 75322920823 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

A capacitor supplied from 250 volts DC mains, takes 25 milli coulombs. What will be its charge if the voltage is raised to 1000 V?

Options :

1. ✔ 0.1 coulomb

2. ✖ 0.5 coulomb

3. ✖ 1 coulomb

4. ✖ 5 coulomb

Question Number : 128 Question Id : 75322920823 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

250 वोल्ट DC मेन से आपूर्ति की गई एक संधारित्र, 25 मिली कूलॉम प्राप्त करता है। यदि वोल्टेज को 1000 V तक बढ़ा दिया जाए तो इसका आवेश क्या होगा?

Options :

1. ✔ 0.1 कूलॉम

2. ✖ 0.5 कूलॉम

3. ✖ 1 कूलॉम

4. ✖ 5 कूलॉम

Question Number : 129 Question Id : 75322920824 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

A branch is a path in an electrical network that connects two:

Options :

1. ✓ nodes
2. ✗ loops
3. ✗ meshes
4. ✗ current sources

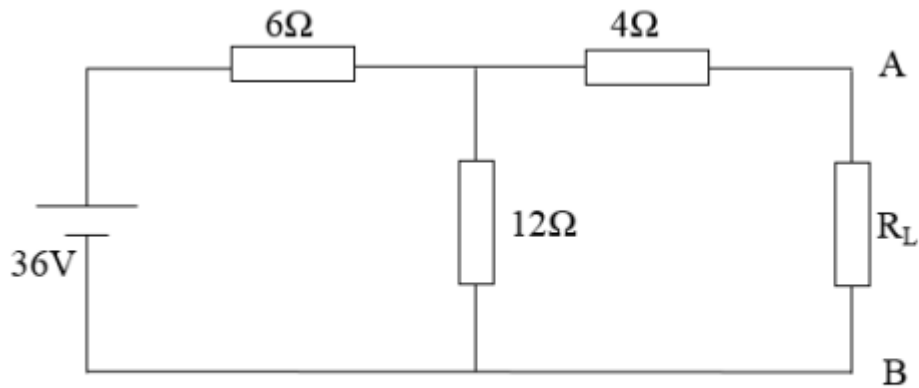
Question Number : 129 Question Id : 75322920824 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.25

विद्युत नेटवर्क में एक शाखा (branch), एक पथ है, जो दो _____ को जोड़ती है।

Options :

1. ✓ नोड
2. ✗ लूप
3. ✗ मेश
4. ✗ धारा स्रोत

Question Number : 130 Question Id : 75322920825 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.25

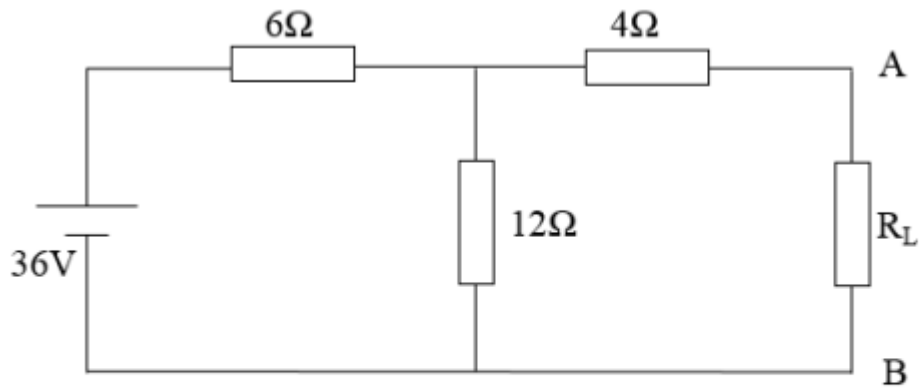


What will be the maximum power transferred from the source to the load in the given circuit?

Options :

1. ✘ 8 watts
2. ✔ 18 watts
3. ✘ 32 watts
4. ✘ 72 watts

Question Number : 130 Question Id : 75322920825 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.25



दिए गए परिपथ में स्रोत से लोड में स्थानांतरित की गई अधिकतम शक्ति क्या होगी?

Options :

1. ✖ 8 वाट
2. ✔ 18 वाट
3. ✖ 32 वाट
4. ✖ 72 वाट

Question Number : 131 Question Id : 75322920826 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

A current of 10 A flows in a circuit with a 45° angle of lag when the applied voltage is 100 V. Find the resistance and reactance in the circuit.

Options :

1. ✖ 5 Ω; 7.07 Ω

2. ✓ $7.07\ \Omega$; $7.07\ \Omega$

3. ✗ $7.07\ \Omega$; $10\ \Omega$

4. ✗ $10\ \Omega$; $10\ \Omega$

Question Number : 131 Question Id : 75322920826 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.25

जब लागू वोल्टेज 100 V होता है, तब एक परिपथ में 45° के अंतराल कोण के साथ 10 A की धारा प्रवाहित होती है। परिपथ में प्रतिरोध और प्रतिघात ज्ञात करें।

Options :

1. ✗ $5\ \Omega$; $7.07\ \Omega$

2. ✓ $7.07\ \Omega$; $7.07\ \Omega$

3. ✗ $7.07\ \Omega$; $10\ \Omega$

4. ✗ $10\ \Omega$; $10\ \Omega$

Question Number : 132 Question Id : 75322920827 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.25

The quality factor for a RLC series resonance circuit is:

Options :

1. ✖ $Q = \frac{1}{2\pi\sqrt{LC}}$

2. ✖ $Q = \frac{R}{2\pi\sqrt{LC}}$

3. ✔ $Q = \frac{1}{R} \sqrt{\frac{L}{C}}$

4. ✖ $Q = \frac{1}{R} \sqrt{\frac{C}{L}}$

Question Number : 132 Question Id : 75322920827 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.25

आरएलसी (RLC) सीरीज अनुनाद परिपथ के लिए गुणता गुणक क्या है?

Options :

1. ✖ $Q = \frac{1}{2\pi\sqrt{LC}}$

2. ✖ $Q = \frac{R}{2\pi\sqrt{LC}}$

3. ✔ $Q = \frac{1}{R} \sqrt{\frac{L}{C}}$

4. ✖ $Q = \frac{1}{R} \sqrt{\frac{C}{L}}$

Question Number : 133 Question Id : 75322920828 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.25

Resonance frequency (f_r) for a parallel RLC circuit is given as:

Options :

1. ✖ $\frac{1}{2\pi} \sqrt{\frac{1}{LC} - \frac{L^2}{R^2}}$

2. ✖ $\frac{1}{2\pi} \sqrt{\frac{1}{LC} + \frac{L^2}{R^2}}$

3. ✖ $\frac{1}{2\pi} \sqrt{\frac{1}{LC} + \frac{R^2}{L^2}}$

4. ✔ $\frac{1}{2\pi} \sqrt{\frac{1}{LC} - \frac{R^2}{L^2}}$

Question Number : 133 Question Id : 75322920828 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.25

समानांतर आरएलसी (RLC) परिपथ के लिए अनुनाद आवृत्ति (f_r) किस क्या है?

Options :

1. ✖ $\frac{1}{2\pi} \sqrt{\frac{1}{LC} - \frac{L^2}{R^2}}$

2. ✖ $\frac{1}{2\pi} \sqrt{\frac{1}{LC} + \frac{L^2}{R^2}}$

3. ✖ $\frac{1}{2\pi} \sqrt{\frac{1}{LC} + \frac{R^2}{L^2}}$

4. ✔ $\frac{1}{2\pi} \sqrt{\frac{1}{LC} - \frac{R^2}{L^2}}$

Question Number : 134 Question Id : 75322920829 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

_____ lines are used for drawing centre lines of circles, cylinders, etc. The same lines are also used to show the axis of symmetry in symmetrical objects.

Options :

1. ✔ Chain

2. ✖ Hatched

3. ✖ Leader

4. ✖ Thread

Question Number : 134 Question Id : 75322920829 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

_____ रेखाओं का उपयोग वृत्तों, बेलनों आदि की केंद्रीय रेखाएँ खींचने के लिए किया जाता है। समान रेखाओं का उपयोग सममित वस्तुओं में सममिति अक्ष को दर्शाने के लिए भी किया जाता है।

Options :

1. ✓ चैन
2. ✗ हैचड
3. ✗ लीडर
4. ✗ थ्रेड

Question Number : 135 Question Id : 75322920830 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

The current carrying capacity of aluminium is _____ that of copper and its density being approximately _____ that of copper.

Options :

1. ✗ 60%; $\frac{1}{3}$
2. ✗ 60%; $\frac{2}{3}$
3. ✗ 75%; $\frac{2}{3}$

4. ✓ 75%; $\frac{1}{3}$

Question Number : 135 Question Id : 75322920830 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.25

एल्युमीनियम की धारा वहन क्षमता तांबे का _____ है और इसका घनत्व तांबे का लगभग _____ है।

Options :

1. ✗ 60%; $\frac{1}{3}$

2. ✗ 60%; $\frac{2}{3}$

3. ✗ 75%; $\frac{2}{3}$

4. ✓ 75%; $\frac{1}{3}$

Question Number : 136 Question Id : 75322920831 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.25

Which of the following are used for the insulating leaves between commutator segments?

Options :

1. ✓ Mica sheets

2. ✗ Porcelain

3. ✖ Bakelite

4. ✖ Polyvinylchloride

Question Number : 136 Question Id : 75322920831 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित में से किसका उपयोग दिक्परिवर्तक खंडों (commutator segments) के बीच रोधी पत्तियों (insulating leaves) के लिए किया जाता है?

Options :

1. ✔ अभ्रक शीट (Mica sheets)

2. ✖ पॉर्सेलेन (Porcelain)

3. ✖ बैकेलाइट (Bakelite)

4. ✖ पोलिवाइनिलक्लोराइड (Polyvinylchloride)

Question Number : 137 Question Id : 75322920832 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following is a ferro electric material?

Options :

1. ✖ Polymethylmethacrylate

2. ✖ Polyester Resin

3. ✖ Quartz

4. ✔ Rochelle salt

Question Number : 137 Question Id : 75322920832 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित में से कौन सा विकल्प फेरो विद्युत पदार्थ है?

Options :

1. ✖ पॉलिमेथिलमेथेएक्रिलेट (Polymethylmethacrylate)

2. ✖ पॉलिएस्टर रेजिन (Polyester Resin)

3. ✖ क्वार्टज (Quartz)

4. ✔ रोचेल लवण (Rochelle salt)

Question Number : 138 Question Id : 75322920833 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

What is the defect called when extra atoms take place between the regular atoms of the crystal in semiconductor?

Options :

1. ✖ Substitutional

- 2. ✖ Vacancies
- 3. ✔ Interstitial
- 4. ✖ Dislocation

Question Number : 138 Question Id : 75322920833 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

अर्धचालक में क्रिस्टल के नियमित परमाणुओं के बीच अतिरिक्त परमाणु होने पर दोष क्या कहलाता है?

Options :

- 1. ✖ स्थानापन्न (Substitutional)
- 2. ✖ रिक्तिका (Vacancies)
- 3. ✔ अंतराली (Interstitial)
- 4. ✖ स्थान-भ्रंश (Dislocation)

Question Number : 139 Question Id : 75322920834 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following symbols is used to show diameter of a circle in engineering drawing?

Options :

- 1. ✔ $\varnothing$

2. ✖ Ψ

3. ✖ $\varnothing$

4. ✖ $\odot$

Question Number : 139 Question Id : 75322920834 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

इंजीनियरिंग ड्राइंग में वृत्त के व्यास को दर्शाने के लिए निम्नलिखित में से किस चिह्न का उपयोग किया जाता है?

Options :

1. ✔ Φ

2. ✖ Ψ

3. ✖ $\varnothing$

4. ✖ $\odot$

Question Number : 140 Question Id : 75322920835 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following diodes has a negative resistance region?

Options :

1. ✖ Schottky diode

2. ✖ Varactor diode

3. ✓ Tunnel diode

4. ✗ Zener diode

Question Number : 140 Question Id : 75322920835 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित में से किस डायोड में ऋणात्मक प्रतिरोध क्षेत्र है?

Options :

1. ✗ शॉटकी डायोड (Schottky diode)

2. ✗ वैरेक्टर डायोड (Varactor diode)

3. ✓ टनल डायोड (Tunnel diode)

4. ✗ जेनर डायोड (Zener diode)

Discipline8

Group Number :	8
Group Id :	753229693
Group Maximum Duration :	0
Group Minimum Duration :	0
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	10

Is this Group for Examiner? :	No
Examiner permission :	Cant View
Show Progress Bar? :	No

Discipline8

Section Id :	753229869
Section Number :	1
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	10
Number of Questions to be attempted :	10
Section Marks :	10
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	7532291363
Question Shuffling Allowed :	Yes
Is Section Default? :	null

Question Number : 141 Question Id : 75322920836 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following statement is NOT true when pi-filter and L-section filters are compared?

Options :

- ✘ In pi-filter, the DC output voltage is much larger than that can be had from an L-section filter with the same input voltage.
- ✔ In pi-filter, ripples are more in comparison to those in shunt capacitor or L-section filter.

- In pi-filter, the capacitor is to be charged to the peak value hence the RMS current in supply transformer is larger as compared in case of L-section filter.
3. ✖
4. ✖ Voltage regulation in case of pi-filter is very poor.

Question Number : 141 Question Id : 75322920836 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.25

जब pi-फिल्टर और L-सेक्शन फिल्टर की तुलना की जाती है, तो निम्नलिखित में से कौन सा कथन सत्य नहीं है?

Options :

1. ✖ pi-फिल्टर में, DC आउटपुट समान इनपुट वोल्टेज वाले L-सेक्शन फिल्टर से प्राप्त होने वाले DC आउटपुट वोल्टेज से बहुत अधिक होता है।
2. ✔ pi-फिल्टर में, शंट संधारित्र या L-सेक्शन फिल्टर की तुलना में ऊर्मिका (ripples) अधिक होती है।
3. ✖ pi-फिल्टर में, संधारित्र को शिखर मान तक चार्ज किया जाना है इसलिए आपूर्ति ट्रांसफार्मर में आरएमएस (RMS) धारा, L-सेक्शन फिल्टर की तुलना में अधिक होती है।
4. ✖ pi-फिल्टर के मामले में वोल्टेज विनियमन बहुत निर्बल होता है।

Question Number : 142 Question Id : 75322920837 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.25

Find the leakage current (I_{CEO}) of the common-emitter transistor when $\alpha = 0.95$ and $I_{CBO} = 10 \mu A$.

Options :

1. ✖ .2 μA
2. ✖ .25 μA
3. ✔ .2 mA
4. ✖ .25 mA

Question Number : 142 Question Id : 75322920837 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

जब $\alpha = 0.95$ और $I_{CBO} = 10 \mu\text{A}$ हो, तो उभयनिष्ठ-उत्सर्जक ट्रांजिस्टर की क्षरण धारा (I_{CEO}) ज्ञात करें।

Options :

1. ✖ .2 μA
2. ✖ .25 μA
3. ✔ .2 mA
4. ✖ .25 mA

Question Number : 143 Question Id : 75322920838 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित में से किसके कारण MOSFET प्रवर्धक का इनपुट प्रतिरोध बहुत अधिक होता है?

Options :

1. ✓ इसके गेट संधारित्र की अत्यंत कम क्षरण धारा
2. ✗ ऋणात्मक गेट-स्रोत वोल्टेज
3. ✗ इसके अपवाह संधारित्र की अत्यधिक उच्च क्षरण धारा
4. ✗ धारा वाहकों का अवक्षय

Question Number : 143 Question Id : 75322920838 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Input resistance of a MOSFET amplifier is very high due to:

Options :

1. ✓ extremely small leakage current of its gate capacitor
2. ✗ negative gate-source voltage
3. ✗ extremely high leakage current of its drain capacitor
4. ✗ depletion of current carriers

Question Number : 144 Question Id : 75322920839 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

A	B	Y
0	0	1
0	1	0
1	0	0
1	1	1

The given truth table belongs to a logic gate whose inputs are A and B and output is Y. Identify the gate.

Options :

1. ✖ NAND
2. ✖ NOR
3. ✖ EXCLUSIVE-OR
4. ✔ EXCLUSIVE-NOR

Question Number : 144 Question Id : 75322920839 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

A	B	Y
0	0	1
0	1	0
1	0	0
1	1	1

दी गई ट्रुथ टेबल (truth table) एक लॉजिक गेट से संबंधित है जिसका इनपुट A और B है और आउटपुट Y है। गेट की पहचान करें।

Options :

1. ✖ NAND
2. ✖ NOR
3. ✖ EXCLUSIVE-OR
4. ✔ EXCLUSIVE-NOR

Question Number : 145 Question Id : 75322920840 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

The 8085 microprocessor registers include a _____ bit accumulator, an _____ bit flag register.

Options :

1. ✖ 8; 4
2. ✔ 8; 8
3. ✖ 16; 8
4. ✖ 16; 4

Question Number : 145 Question Id : 75322920840 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

8085 माइक्रोप्रोसेसर रजिस्ट्रों में एक _____ बिट संचायक, एक _____ बिट फ्लैग रजिस्टर शामिल होता है।

Options :

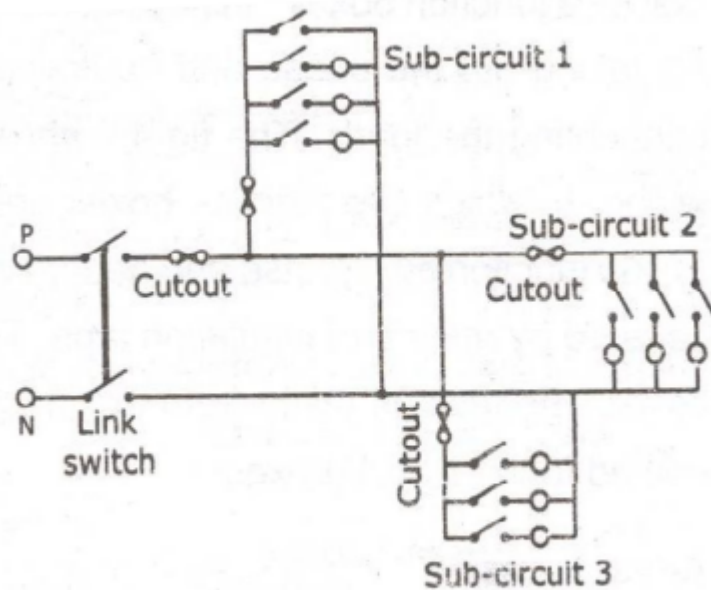
1. ✖ 8; 4

2. ✓ 8; 8

3. ✗ 16; 8

4. ✗ 16; 4

Question Number : 146 Question Id : 75322920841 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.25



Identify the type of electrical wiring system in the given figure.

Options :

1. ✓ Tree system

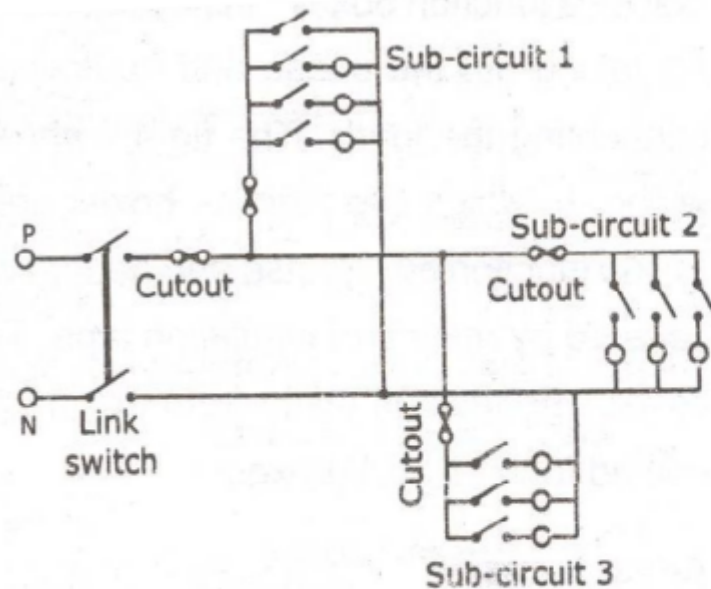
2. ✗ Joint box system

3. ✖ Looping system

4. ✖ Circular system

Question Number : 146 Question Id : 75322920841 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25



Sub-circuit 1 = उप-परिपथ 1, Sub-circuit 2 = उप-परिपथ 2, Sub-circuit 3 = उप-परिपथ 3, Cutout = कटआउट, Link switch = लिंक स्विच

दी गई आकृति में विद्युत वायरिंग प्रणाली के प्रकार की पहचान करें।

Options :

1. ✔ वृक्ष प्रणाली (Tree system)

- 2. ✖ संयुक्त बॉक्स प्रणाली (Joint box system)
- 3. ✖ लूपिंग प्रणाली (Looping system)
- 4. ✖ परिपत्र प्रणाली (Circular system)

Question Number : 147 Question Id : 75322920842 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

A hall of size 20 m by 25 m is to be illuminated with 40 lux. If lamp efficiency is 100 lumens / watt, utilisation factor is 0.8 and candle power depreciation is 25%, then the total wattage required is:

Options :

- 1. ✖ 6 kW
- 2. ✖ 4.5 kW
- 3. ✖ 2.25 kW
- 4. ✔ 1 kW

Question Number : 147 Question Id : 75322920842 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

20 m x 25 m आकार के एक हॉल को 40 lux से प्रदीप्त किया जाना है। यदि लैंप दक्षता 100 लुमेन/वाट है, उपयोजन गुणक 0.8 है और मोमबत्ती शक्ति अवक्षय 25% है, तो आवश्यक कुल वाटता (wattage) कितनी है?

Options :

1. ✖ 6 kW
2. ✖ 4.5 kW
3. ✖ 2.25 kW
4. ✔ 1 kW

Question Number : 148 Question Id : 75322920843 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

A 132 kV transmission line has the following data. Wt. of conductor = 800 kg/km, Length of span = 260 m, Ultimate strength = 3125 kg, Safety factor = 2. Calculate the height above ground at which the conductor should be supported. Ground clearance required is 10 metres.

Note: For this question, discrepancy is found in question/answer. So, this question is ignored for all candidates.

Options :

1. 12 m
2. 13.5 m
3. 14 m
4. 14.6 m

Question Number : 148 Question Id : 75322920843 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

एक 132 kV ट्रांसमिशन लाइन में निम्नलिखित डेटा है। कंडक्टर का Wt. = 800 kg/km, विस्तृति की लंबाई = 260 m, चरम सामर्थ्य = 3125 kg, सुरक्षा गुणक = 2 है। जमीन के ऊपर उस ऊँचाई का परिकलन करें जिस पर चालक को आलंबित किया जाना चाहिए। आवश्यक ग्राउंड क्लीयरेंस 10 m है।

Note: For this question, discrepancy is found in question/answer. So, this question is ignored for all candidates.

Options :

1. 12 m
2. 13.5 m
3. 14 m
4. 14.6 m

Question Number : 149 Question Id : 75322920844 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.25

Determine the pitch (or coil span) factors for the armature winding having 36 stator slots, 4 poles, coil span 1 to 8.

Options :

1. ✖ Cos 10°
2. ✔ Cos 20°
3. ✖ Cos 30°
4. ✖ Cos 40°

Question Number : 149 Question Id : 75322920844 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

36 स्टेटर स्लॉट, 4 ध्रुव, कुंडली विस्तृति 1 से 8 वाले आर्मेचर कुंडलन के लिए तारत्व (या कुंडली विस्तृति) गुणकों का निर्धारण करें।

Options :

1. ✖ Cos 10°
2. ✔ Cos 20°
3. ✖ Cos 30°
4. ✖ Cos 40°

Question Number : 150 Question Id : 75322920845 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

A moving coil instrument of resistance $0.2\ \Omega$ gives a full-scale deflection of 500 mA. Calculate the shunt value for the metre to measure current up to 25 A.

Options :

1. ✖ 101 m Ω
2. ✖ 204 m Ω
3. ✖ 308 m Ω
4. ✔ 408 m Ω

Question Number : 150 Question Id : 75322920845 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

0.2 Ω प्रतिरोध का एक गतिमान कुंडली उपकरण 500 mA का पूर्ण स्केल विक्षेपण प्रदान करता है। 25 A तक धारा मापने हेतु मीटर के लिए शंट मान का परिकलन करें।

Options :

1. ✖ 101 m Ω

2. ✖ 204 m Ω

3. ✖ 308 m Ω

4. ✔ 408 m Ω

English Language and Comprehension1

Group Number :	9
Group Id :	753229694
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

English Language and Comprehension1

Section Id :	753229870
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 :	7532291364
Question Shuffling Allowed :	Yes
Is Section Default? :	null

Question Number : 151 Question Id : 75322920846 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the most appropriate option to fill in the blank.

This island is _____ heaven for tourists.

Options :

1.  A
2.  An
3.  The
4.  Any

Question Number : 151 Question Id : 75322920846 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the most appropriate option to fill in the blank.

This island is _____ heaven for tourists.

Options :

1.  A
2.  An
3.  The
4.  Any

Question Number : 152 Question Id : 75322920847 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the most appropriate option to fill in the blank.

_____ enormous cloud of dust was seen in the sky.

Options :

1.  A
2.  An
3.  The
4.  No word

Question Number : 152 Question Id : 75322920847 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the most appropriate option to fill in the blank.

_____ enormous cloud of dust was seen in the sky.

Options :

1.  A
2.  An
3.  The
4.  No word

Question Number : 153 Question Id : 75322920848 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the most appropriate option to fill in the blank.

My friend's house is _____ from school than mine.

Options :

1. ✖ far
2. ✖ more farther
3. ✔ farther
4. ✖ farthest

Question Number : 153 Question Id : 75322920848 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the most appropriate option to fill in the blank.

My friend's house is _____ from school than mine.

Options :

1. ✖ far
2. ✖ more farther
3. ✔ farther
4. ✖ farthest

Question Number : 154 Question Id : 75322920849 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the most appropriate option to fill in the blank.

She found a _____ clue which we had missed out.

Options :

1. ✔ crucial
2. ✖ more crucial
3. ✖ most crucial
4. ✖ much crucial

Question Number : 154 Question Id : 75322920849 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the most appropriate option to fill in the blank.

She found a _____ clue which we had missed out.

Options :

1. ✓ crucial
2. ✗ more crucial
3. ✗ most crucial
4. ✗ much crucial

Question Number : 155 Question Id : 75322920850 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the most appropriate option to fill in the blank.

This mystery novel is _____ I have read so far.

Options :

1. ✗ good
2. ✗ better
3. ✗ best
4. ✓ the best

Question Number : 155 Question Id : 75322920850 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the most appropriate option to fill in the blank.

This mystery novel is _____ I have read so far.

Options :

1. ✗ good
2. ✗ better

3. ✖ best
4. ✔ the best

Question Number : 156 Question Id : 75322920851 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the most appropriate option to fill in the blank.

She is looking _____ weaker than before.

Options :

1. ✖ more
2. ✖ too
3. ✔ much
4. ✖ very

Question Number : 156 Question Id : 75322920851 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the most appropriate option to fill in the blank.

She is looking _____ weaker than before.

Options :

1. ✖ more
2. ✖ too
3. ✔ much
4. ✖ very

Question Number : 157 Question Id : 75322920852 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the most appropriate option to fill in the blank.

_____ physical development _____ intellectual maturity are equally important.

Options :

1. ✖ Although, yet
2. ✔ Both, and
3. ✖ Whether, or
4. ✖ Such, as

Question Number : 157 Question Id : 75322920852 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the most appropriate option to fill in the blank.

_____ physical development _____ intellectual maturity are equally important.

Options :

1. ✖ Although, yet
2. ✔ Both, and
3. ✖ Whether, or
4. ✖ Such, as

Question Number : 158 Question Id : 75322920853 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the most appropriate option to fill in the blank.

The children _____ laughter at the sight of the clown.

Options :

1. ✖ broke off
2. ✖ broke up
3. ✖ broke out
4. ✔ broke into

Question Number : 158 Question Id : 75322920853 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the most appropriate option to fill in the blank.

The children _____ laughter at the sight of the clown.

Options :

1. ✖ broke off
2. ✖ broke up
3. ✖ broke out
4. ✔ broke into

Question Number : 159 Question Id : 75322920854 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the most appropriate option to fill in the blank.

A crisis often _____ the best in people.

Options :

1. ✖ brings round
2. ✖ brings down
3. ✔ brings out
4. ✖ brings in

Question Number : 159 Question Id : 75322920854 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the most appropriate option to fill in the blank.

A crisis often _____ the best in people.

Options :

1. ✖ brings round
2. ✖ brings down
3. ✔ brings out
4. ✖ brings in

Question Number : 160 Question Id : 75322920855 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the most appropriate option to fill in the blank.

The audience was _____ by the singer's melodious voice.

Options :

1. ✖ carried out
2. ✖ carried off
3. ✔ carried away
4. ✖ carried on

Question Number : 160 Question Id : 75322920855 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the most appropriate option to fill in the blank.

The audience was _____ by the singer's melodious voice.

Options :

1. ✖ carried out
2. ✖ carried off
3. ✔ carried away
4. ✖ carried on

Question Number : 161 Question Id : 75322920856 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the most appropriate option to fill in the blank.

They aren't moving into their new house today, _____?

Options :

1. ✔ are they
2. ✖ aren't they

3. ✖ is it
4. ✖ isn't it

Question Number : 161 Question Id : 75322920856 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the most appropriate option to fill in the blank.

They aren't moving into their new house today, _____?

Options :

1. ✔ are they
2. ✖ aren't they
3. ✖ is it
4. ✖ isn't it

Question Number : 162 Question Id : 75322920857 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the most appropriate option to fill in the blank.

She will take care of all arrangements, _____?

Options :

1. ✖ isn't she
2. ✖ hasn't she
3. ✖ can't she
4. ✔ won't she

Question Number : 162 Question Id : 75322920857 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the most appropriate option to fill in the blank.

She will take care of all arrangements, _____?

Options :

1. ✖ isn't she
2. ✖ hasn't she
3. ✖ can't she
4. ✔ won't she

Question Number : 163 Question Id : 75322920858 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the most appropriate option to fill in the blank.

I am ready to assume higher responsibilities, _____?

Options :

1. ✖ am I
2. ✔ aren't I
3. ✖ can't I
4. ✖ shall I

Question Number : 163 Question Id : 75322920858 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the most appropriate option to fill in the blank.

I am ready to assume higher responsibilities, _____?

Options :

1. ✖ am I
2. ✔ aren't I
3. ✖ can't I
4. ✖ shall I

Question Number : 164 Question Id : 75322920859 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the option that correctly expresses the given sentence in direct speech.

“Pay the rent by tomorrow,” he reminded the tenant.

Options :

1. ✖ He reminded the tenant pay the rent by tomorrow.
2. ✖ He reminded the tenant to pay the rent by tomorrow.
3. ✔ He reminded the tenant to pay the rent by the following day.
4. ✖ He reminded the tenant pay the rent by the following day.

Question Number : 164 Question Id : 75322920859 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the option that correctly expresses the given sentence in direct speech.

“Pay the rent by tomorrow,” he reminded the tenant.

Options :

1. ✖ He reminded the tenant pay the rent by tomorrow.
2. ✖ He reminded the tenant to pay the rent by tomorrow.
3. ✔ He reminded the tenant to pay the rent by the following day.
4. ✖ He reminded the tenant pay the rent by the following day.

Question Number : 165 Question Id : 75322920860 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the option that correctly expresses the given sentence in direct speech.

Mother told him that she couldn't live without him.

Options :

1. ✔ Mother said to him, “I can't live without you.”
2. ✖ Mother said him, “I can't live without him.”
3. ✖ Mother said to him, “You can't live without me.”
4. ✖ Mother told to him, “She can't live without you.”

Question Number : 165 Question Id : 75322920860 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the option that correctly expresses the given sentence in direct speech.

Mother told him that she couldn't live without him.

Options :

1. ✓ Mother said to him, "I can't live without you."
2. ✗ Mother said him, "I can't live without him."
3. ✗ Mother said to him, "You can't live without me."
4. ✗ Mother told to him, "She can't live without you."

Question Number : 166 Question Id : 75322920861 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the option that correctly expresses the given sentence in indirect speech.

He said to me, "Why should I help you?"

Options :

1. ✗ He asked me why should he help me.
2. ✓ He asked me why he should help me.
3. ✗ He asked me why I should help you.
4. ✗ He asked me why should I help you.

Question Number : 166 Question Id : 75322920861 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the option that correctly expresses the given sentence in indirect speech.

He said to me, "Why should I help you?"

Options :

1. ✗ He asked me why should he help me.
2. ✓ He asked me why he should help me.

3. ✖ He asked me why I should help you.

4. ✖ He asked me why should I help you.

Question Number : 167 Question Id : 75322920862 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the most appropriate option to fill in the blank.

I hope I will get the leave for my brother's wedding when I _____ for it.

Options :

1. ✖ will apply

2. ✔ apply

3. ✖ will have applied

4. ✖ will be applying

Question Number : 167 Question Id : 75322920862 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the most appropriate option to fill in the blank.

I hope I will get the leave for my brother's wedding when I _____ for it.

Options :

1. ✖ will apply

2. ✔ apply

3. ✖ will have applied

4. ✖ will be applying

Question Number : 168 Question Id : 75322920863 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the most appropriate option to fill in the blank.

You may come in now. I am sorry _____ you waiting.

Options :

1. ✖ to keep
2. ✖ to be keeping
3. ✔ to have kept
4. ✖ to have been kept

Question Number : 168 Question Id : 75322920863 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the most appropriate option to fill in the blank.

You may come in now. I am sorry _____ you waiting.

Options :

1. ✖ to keep
2. ✖ to be keeping
3. ✔ to have kept
4. ✖ to have been kept

Question Number : 169 Question Id : 75322920864 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the option that correctly expresses the given sentence in active voice.

We were taught Physics by Mr Narayanan.

Options :

1. ✖ Mr Narayanan teaches us Physics.
2. ✖ Mr Narayanan had taught us Physics.
3. ✖ Mr Narayanan has taught us Physics.
4. ✔ Mr Narayanan taught us Physics.

Question Number : 169 Question Id : 75322920864 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the option that correctly expresses the given sentence in active voice.

We were taught Physics by Mr Narayanan.

Options :

1. ✖ Mr Narayanan teaches us Physics.
2. ✖ Mr Narayanan had taught us Physics.
3. ✖ Mr Narayanan has taught us Physics.
4. ✔ Mr Narayanan taught us Physics.

Question Number : 170 Question Id : 75322920865 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the option that correctly expresses the given sentence in passive voice.

Color this picture with crayons.

Options :

1. ✖ Let this picture have been colored with crayons.
2. ✖ This picture has been coloured with crayons.
3. ✖ This picture is coloured with crayons.
4. ✔ Let this picture be coloured with crayons.

Question Number : 170 Question Id : 75322920865 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the option that correctly expresses the given sentence in passive voice.

Color this picture with crayons.

Options :

1. ✖ Let this picture have been colored with crayons.
2. ✖ This picture has been coloured with crayons.
3. ✖ This picture is coloured with crayons.
4. ✔ Let this picture be coloured with crayons.

English Language and Comprehension2

Group Number :	10
Group Id :	753229695
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

English Language and Comprehension2

Section Id :	753229871
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 :	7532291365
Question Shuffling Allowed :	Yes
Is Section Default? :	null

Question Number : 171 Question Id : 75322920866 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.

- A. Supporting sentences explain the main topic using examples, facts, quotes, etc.
- B. A topic sentence is a precise statement that reflects the main idea of the paragraph.
- C. Finally, a good concluding sentence brings a paragraph to a polished end.
- D. Words chosen for this should not be cluttered and ambiguous as readers will decide to read further based on this.

Options :

- 1. ✖ BADC
- 2. ✖ BCAD
- 3. ✔ BDAC
- 4. ✖ BACD

Question Number : 171 Question Id : 75322920866 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.

- A. Supporting sentences explain the main topic using examples, facts, quotes, etc.
- B. A topic sentence is a precise statement that reflects the main idea of the paragraph.
- C. Finally, a good concluding sentence brings a paragraph to a polished end.
- D. Words chosen for this should not be cluttered and ambiguous as readers will decide to read further based on this.

Options :

- 1. ✖ BADC
- 2. ✖ BCAD
- 3. ✔ BDAC
- 4. ✖ BACD

Question Number : 172 Question Id : 75322920867 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.

- A. Studies have shown that a recess of 45 minutes improves the score of students in tests following the recess period.
- B. Clearly, physical exercise is just one of the necessary ingredients for improving student scores on standardized tests.
- C. The clinical analysis further suggests that physical activity done during recess stimulates the mind.
- D. Students require more recreational time to improve their focus.

Options :

- 1. ✓ DACB
- 2. ✗ DCBA
- 3. ✗ DBCA
- 4. ✗ DCAB

Question Number : 172 Question Id : 75322920867 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.

- A. Studies have shown that a recess of 45 minutes improves the score of students in tests following the recess period.
- B. Clearly, physical exercise is just one of the necessary ingredients for improving student scores on standardized tests.
- C. The clinical analysis further suggests that physical activity done during recess stimulates the mind.
- D. Students require more recreational time to improve their focus.

Options :

- 1. ✓ DACB
- 2. ✗ DCBA
- 3. ✗ DBCA
- 4. ✗ DCAB

Question Number : 173 Question Id : 75322920868 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.

- A. I refused to let go of my grandmother, to accept a death I had not seen coming.
- B. It was my turn to take the shovel, but I felt too ashamed to dutifully send her off.

C. So, I refused to throw dirt on her.

D. They covered grandmother's precious mahogany coffin with a brown amalgam of rocks, decomposed organisms, and weeds.

Options :

1. ✖ BADC

2. ✔ DBCA

3. ✖ DCAB

4. ✖ ADCB

Question Number : 173 Question Id : 75322920868 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.

A. I refused to let go of my grandmother, to accept a death I had not seen coming.

B. It was my turn to take the shovel, but I felt too ashamed to dutifully send her off.

C. So, I refused to throw dirt on her.

D. They covered grandmother's precious mahogany coffin with a brown amalgam of rocks, decomposed organisms, and weeds.

Options :

1. ✖ BADC

2. ✔ DBCA

3. ✖ DCAB

4. ✖ ADCB

Question Number : 174 Question Id : 75322920869 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the option that can be used as a one-word substitute for the given group of words.

one who makes an official examination of accounts

Options :

1. ✖ colleague

2. ✖ autocrat

3. ✔ auditor

4. ✖ delegate

Question Number : 174 Question Id : 75322920869 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the option that can be used as a one-word substitute for the given group of words.

one who makes an official examination of accounts

Options :

1. ✖ colleague

2. ✖ autocrat

3. ✔ auditor

4. ✖ delegate

Question Number : 175 Question Id : 75322920870 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the option that can be used as a one-word substitute for the given group of words.

not supporting any side in an argument

Options :

1. ✔ impartial

2. ✖ biased

3. ✖ invisible

4. ✖ alien

Question Number : 175 Question Id : 75322920870 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the option that can be used as a one-word substitute for the given group of words.

not supporting any side in an argument

Options :

1. ✓ impartial
2. ✗ biased
3. ✗ invisible
4. ✗ alien

Question Number : 176 Question Id : 75322920871 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the option that can be used as a one-word substitute for the given group of words.

one who collects postage stamps

Options :

1. ✗ philanthropist
2. ✓ philatelist
3. ✗ plagiarist
4. ✗ philistine

Question Number : 176 Question Id : 75322920871 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the option that can be used as a one-word substitute for the given group of words.

one who collects postage stamps

Options :

1. ✗ philanthropist
2. ✓ philatelist
3. ✗ plagiarist
4. ✗ philistine

Question Number : 177 Question Id : 75322920872 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the most appropriate meaning of the given idiom.

to look back

Options :

1. ✖ to overlook something which is unimportant.
2. ✖ to turn back from a journey
3. ✔ to think about something that happened in the past
4. ✖ to go back on a decision

Question Number : 177 Question Id : 75322920872 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the most appropriate meaning of the given idiom.

to look back

Options :

1. ✖ to overlook something which is unimportant.
2. ✖ to turn back from a journey
3. ✔ to think about something that happened in the past
4. ✖ to go back on a decision

Question Number : 178 Question Id : 75322920873 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the most appropriate meaning of the given idiom.

fight tooth and nail

Options :

1. ✖ make no efforts
2. ✔ try very hard to get something
3. ✖ fight unfairly in a battle
4. ✖ fight with the aid of allies

Question Number : 178 Question Id : 75322920873 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the most appropriate meaning of the given idiom.

fight tooth and nail

Options :

1. ✖ make no efforts
2. ✔ try very hard to get something
3. ✖ fight unfairly in a battle
4. ✖ fight with the aid of allies

Question Number : 179 Question Id : 75322920874 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the most appropriate meaning of the given idiom.

to take the bull by the horns

Options :

1. ✖ to inflict a crushing defeat on someone
2. ✖ to check rumours from spreading
3. ✔ to face danger boldly
4. ✖ to restrain anger

Question Number : 179 Question Id : 75322920874 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the most appropriate meaning of the given idiom.

to take the bull by the horns

Options :

1. ✖ to inflict a crushing defeat on someone
2. ✖ to check rumours from spreading

3. ✓ to face danger boldly

4. ✗ to restrain anger

Question Number : 180 Question Id : 75322920875 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the most appropriate meaning of the given idiom.

a man of parts

Options :

1. ✗ a frivolous person

2. ✗ a worthless man

3. ✓ a man of ability

4. ✗ a guilty man

Question Number : 180 Question Id : 75322920875 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the most appropriate meaning of the given idiom.

a man of parts

Options :

1. ✗ a frivolous person

2. ✗ a worthless man

3. ✓ a man of ability

4. ✗ a guilty man

Question Number : 181 Question Id : 75322920876 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the most appropriate option to fill in the blank.

I think you will realise your mistake _____ soon.

Options :

1. ✖ jolly
2. ✔ pretty
3. ✖ much
4. ✖ too

Question Number : 181 Question Id : 75322920876 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the most appropriate option to fill in the blank.

I think you will realise your mistake _____ soon.

Options :

1. ✖ jolly
2. ✔ pretty
3. ✖ much
4. ✖ too

Question Number : 182 Question Id : 75322920877 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the most appropriate option to fill in the blank.

Why do you want to _____ a fuss about everything?

Options :

1. ✖ do
2. ✔ make
3. ✖ have
4. ✖ take

Question Number : 182 Question Id : 75322920877 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the most appropriate option to fill in the blank.

Why do you want to _____ a fuss about everything?

Options :

1. ✖ do
2. ✔ make
3. ✖ have
4. ✖ take

Question Number : 183 Question Id : 75322920878 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the most appropriate ANTONYM of the given word.

malign

Options :

1. ✖ smear
2. ✖ taint
3. ✔ clean
4. ✖ sully

Question Number : 183 Question Id : 75322920878 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the most appropriate ANTONYM of the given word.

malign

Options :

1. ✖ smear
2. ✖ taint
3. ✔ clean
4. ✖ sully

Question Number : 184 Question Id : 75322920879 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the most appropriate ANTONYM of the given word.

indiscreet

Options :

1. ✖ reckless
2. ✖ heedless
3. ✔ considerate
4. ✖ imprudent

Question Number : 184 Question Id : 75322920879 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the most appropriate ANTONYM of the given word.

indiscreet

Options :

1. ✖ reckless
2. ✖ heedless
3. ✔ considerate
4. ✖ imprudent

Question Number : 185 Question Id : 75322920880 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the most appropriate ANTONYM of the given word.

despondent

Options :

1. ✖ melancholy
2. ✔ spirited

3. ✖ dejected
4. ✖ sorrowful

Question Number : 185 Question Id : 75322920880 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the most appropriate ANTONYM of the given word.

despondent

Options :

1. ✖ melancholy
2. ✔ spirited
3. ✖ dejected
4. ✖ sorrowful

Question Number : 186 Question Id : 75322920881 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the most appropriate option to fill in the blanks.

She asked me _____ I had learnt to _____ a saree.

Options :

1. ✖ wear, wear
2. ✖ wear, where
3. ✔ where, wear
4. ✖ where, where

Question Number : 186 Question Id : 75322920881 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the most appropriate option to fill in the blanks.

She asked me _____ I had learnt to _____ a saree.

Options :

1. ✖ wear, wear
2. ✖ wear, where
3. ✔ where, wear
4. ✖ where, where

Question Number : 187 Question Id : 75322920882 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the most appropriate option to fill in the blanks.

She got _____ of playing _____ games with her little brother.

Options :

1. ✖ board, bored
2. ✔ bored, board
3. ✖ bored, bored
4. ✖ board. board

Question Number : 187 Question Id : 75322920882 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the most appropriate option to fill in the blanks.

She got _____ of playing _____ games with her little brother.

Options :

1. ✖ board, bored
2. ✔ bored, board
3. ✖ bored, bored
4. ✖ board. board

Question Number : 188 Question Id : 75322920883 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the most appropriate synonym of the given word.

affluent

Options :

1. ✖ primary
2. ✖ homely
3. ✖ friendly
4. ✔ wealthy

Question Number : 188 Question Id : 75322920883 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the most appropriate synonym of the given word.

affluent

Options :

1. ✖ primary
2. ✖ homely
3. ✖ friendly
4. ✔ wealthy

Question Number : 189 Question Id : 75322920884 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the misspelt word.

Options :

1. ✖ immoral
2. ✖ immature
3. ✖ immediate
4. ✔ imminant

Question Number : 189 Question Id : 75322920884 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the misspelt word.

Options :

1. ✖ immoral
2. ✖ immature
3. ✖ immediate
4. ✔ imminent

Question Number : 190 Question Id : 75322920885 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the misspelt word.

Options :

1. ✔ humiliate
2. ✖ glorious
3. ✖ elusive
4. ✖ jubilant.

Question Number : 190 Question Id : 75322920885 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the misspelt word.

Options :

1. ✔ humiliate
2. ✖ glorious
3. ✖ elusive
4. ✖ jubilant.

English Language and Comprehension3

Group Number :

Group Id :	753229696
Group Maximum Duration :	0
Group Minimum Duration :	120
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	10
Is this Group for Examiner? :	No
Examiner permission :	Cant View
Show Progress Bar? :	No

English Language and Comprehension3

Section Id :	753229872
Section Number :	1
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	2
Number of Questions to be attempted :	2
Section Marks :	10
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	7532291366
Question Shuffling Allowed :	No
Is Section Default? :	null

Question Id : 75322920886 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No Question Pattern Type : NonMatrix Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Question Numbers : (191 to 195)

Read the given passage and answer the questions that follow.

Nowadays it is not uncommon to travel to a foreign country for medical treatment. Till quite recently the trend was to go to the west that offered

the most advanced medical facilities. But over the last decade, thanks to the building of world-class facilities and infrastructure, there has been a marked reversal of the prevalent trend and India is now promoting itself as a heaven for medical tourism. It has on offer the highest level of services, facilities and professional skills for all medical needs.

Several factors combine to make India a preferred destination for medical tourism. On an average, the cost of treatment in India is one-tenth of the cost in the west. Secondly, foreign patients throng Indian hospitals to bypass the long waiting lists and queues in their native countries. Indian hospitals provide immediate attention to patients rather than asking them to wait for several months or even for years for a transplant. Indian doctors are well-equipped to handle bone-marrow transplant, liver and kidney transplants, cardiac surgery, joint replacement surgery, dental and cosmetic surgery in hospitals that match international standards. Of late, Indian hospitals have gained international recognition for their unsurpassed skills, techniques and procedures. Indian doctors, nurses and other medical staff are well versed in English, which makes communication easy with patients from the west. Also, foreign patients can get package deals including flights, transfers, hotels, treatment and post-operative vacation for their medical visits to India. Many patients prefer to combine their leisure and relaxation visits with health care, thus deriving the dual benefit of treatment with travelling and sightseeing.

Several tour organizers now work in collaboration with renowned hospitals to guide and coordinate the travel plans of their clients. They take care of the specific medical needs of the clients along with planning a vacation for the patient as well as their companions. A very important aspect of medicine is the recovery phase. It has been statistically demonstrated that patients recover faster with a much higher success rate when their treatment includes practices that enhance physical, mental and emotional well-being. An additional advantage that India offers in this respect is that here, along with allopathy, patients can also go for Ayurveda, yoga and meditation, which speed up the healing process.

Sub questions

Question Number : 191 Question Id : 75322920887 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

People preferred to go to the west for medical treatment because of

Options :

1. ✖ economical treatment
2. ✔ advanced facilities
3. ✖ experienced doctors
4. ✖ medical policies

Question Number : 192 Question Id : 75322920888 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

According to the passage, which of these does NOT accelerate the healing process?

Options :

1. ✖ Ayurveda
2. ✖ Meditation
3. ✔ Homeopathy
4. ✖ Yoga

Question Number : 193 Question Id : 75322920889 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the correct option.

- A. World class facilities and infrastructure is available in India.
B. Foreign patients can derive dual benefit of treatment with tourism.

Options :

1. ✔ Statement A is the cause of statement B
2. ✖ Statement B is the cause of statement A
3. ✖ Statement A is the result of statement B.
4. ✖ Statements A and B are not related.

Question Number : 194 Question Id : 75322920890 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

What is the most appropriate title for the passage?

Options :

1. ✖ Global Medical Tourism
2. ✔ Medical Tourism in India
3. ✖ Vacation in Foreign Locations
4. ✖ Advancement in Medical Science

Question Number : 195 Question Id : 75322920891 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Based on your reading of the passage, it can be concluded that

Options :

1. ✓ the inflow of tourists visiting India for treatment will increase substantially.
2. ✗ the patients in western countries do not trust the medical facilities in India.
3. ✗ good doctors in the western countries are too busy to attend to patients in time.
4. ✗ Indian doctors will be encouraged to speak different foreign languages.

Question Id : 75322920886 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No Question Pattern Type : NonMatrix Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Question Numbers : (191 to 195)

Read the given passage and answer the questions that follow.

Nowadays it is not uncommon to travel to a foreign country for medical treatment. Till quite recently the trend was to go to the west that offered the most advanced medical facilities. But over the last decade, thanks to the building of world-class facilities and infrastructure, there has been a marked reversal of the prevalent trend and India is now promoting itself as a heaven for medical tourism. It has on offer the highest level of services, facilities and professional skills for all medical needs.

Several factors combine to make India a preferred destination for medical tourism. On an average, the cost of treatment in India is one-tenth of the cost in the west. Secondly, foreign patients throng Indian hospitals to bypass the long waiting lists and queues in their native countries. Indian hospitals provide immediate attention to patients rather than asking them to wait for several months or even for years for a transplant. Indian doctors are well-equipped to handle bone-marrow transplant, liver and kidney transplants, cardiac surgery, joint replacement surgery, dental and cosmetic surgery in hospitals that match international standards. Of late, Indian hospitals have gained international recognition for their unsurpassed skills, techniques and procedures. Indian doctors, nurses and other medical staff are well versed in English, which makes communication easy with patients from the west. Also, foreign patients can get package deals including flights, transfers, hotels, treatment and post-operative vacation for their medical visits to India. Many patients prefer to combine their leisure and relaxation visits with health care, thus deriving the dual benefit of treatment with travelling and sightseeing.

Several tour organizers now work in collaboration with renowned hospitals to guide and coordinate the travel plans of their clients. They take care of the specific medical needs of the clients along with planning a vacation for the patient as well as their companions. A very important aspect of medicine is the recovery phase. It has been statistically demonstrated that patients recover faster with a much higher success rate when their treatment includes practices that enhance physical, mental and emotional well-being. An additional advantage that India offers in this respect is that here, along with allopathy, patients can also go for Ayurveda, yoga and meditation, which speed up the healing process.

Sub questions

Question Number : 191 Question Id : 75322920887 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

People preferred to go to the west for medical treatment because of

Options :

1. ✖ economical treatment
2. ✔ advanced facilities
3. ✖ experienced doctors
4. ✖ medical policies

Question Number : 192 Question Id : 75322920888 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

According to the passage, which of these does NOT accelerate the healing process?

Options :

1. ✖ Ayurveda
2. ✖ Meditation
3. ✔ Homeopathy
4. ✖ Yoga

Question Number : 193 Question Id : 75322920889 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Select the correct option.

- A. World class facilities and infrastructure is available in India.
B. Foreign patients can derive dual benefit of treatment with tourism.

Options :

1. ✔ Statement A is the cause of statement B
2. ✖ Statement B is the cause of statement A
3. ✖ Statement A is the result of statement B.
4. ✖ Statements A and B are not related.

Question Number : 194 Question Id : 75322920890 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

What is the most appropriate title for the passage?

Options :

1. ✖ Global Medical Tourism
2. ✔ Medical Tourism in India
3. ✖ Vacation in Foreign Locations
4. ✖ Advancement in Medical Science

Question Number : 195 Question Id : 75322920891 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Based on your reading of the passage, it can be concluded that

Options :

1. ✔ the inflow of tourists visiting India for treatment will increase substantially.
2. ✖ the patients in western countries do not trust the medical facilities in India.
3. ✖ good doctors in the western countries are too busy to attend to patients in time.
4. ✖ Indian doctors will be encouraged to speak different foreign languages.

Sub-Section Number :	2
Sub-Section Id :	7532291367
Question Shuffling Allowed :	No
Is Section Default? :	null

Question Id : 75322920892 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No Question Pattern Type : NonMatrix Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Question Numbers : (196 to 200)

Read the given passage and answer the questions that follow.

The victory of the small Greek democracy of Athens over the mighty Persian Empire in 490 B.C. is one of the most famous events in history. Darius, king of the Persian Empire, was furious because Athens had interceded for the other Greek city-states in revolt against Persian domination. In anger the king sent an enormous army to defeat Athens. He thought it would take drastic steps to pacify the rebellious part of the empire.

Persia was ruled by one man. In Athens, however, all citizens helped to rule. Ennobled by this participation, Athenians were prepared to die for their city-state. Perhaps this was the secret of the remarkable victory at Marathon, which freed them from Persian rule. On their way to Marathon, the Persians tried to fool some Greek city-states by claiming to have come in peace. The frightened citizens of Delos refused to believe this. Not wanting to abet the conquest of Greece, they fled from their city and did not return until the Persians had left. They were wise, for the Persians next conquered the city of Eritrea and captured its people.

Tiny Athens stood alone against Persia. The Athenian people went to their sanctuaries. There they prayed for deliverance. They asked their gods to expedite their victory. The Athenians refurbished their weapons and moved to the plain of Marathon, where their little band would meet the Persians. At the last moment, soldiers from Plataea reinforced the Athenian troops.

The Athenian army attacked, and Greek citizens fought bravely. The power of the mighty Persians was offset by the love that the Athenians had for their city. Athenians defeated the Persians in both archery and hand combat. Greek soldiers seized Persian ships and burned them, and the Persians fled in terror. Herodotus, a famous historian, reports that 6,400 Persians died, compared to only 192 Athenians.

Sub questions

Question Number : 196 Question Id : 75322920893 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

To suppress the rebellion, Darius sent his army to

Options :

1. ✖ Persia
2. ✖ Delos
3. ✖ Eritrea
4. ✔ Athens

Question Number : 197 Question Id : 75322920894 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

The Persians managed to capture the people of

Options :

1. ✖ Athens
2. ✔ Eritrea
3. ✖ Delos
4. ✖ Plataea

Question Number : 198 Question Id : 75322920895 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

The main reason for the success of the Athenians was their

Options :

1. ✖ huge stock of arms and ammunitions
2. ✖ help from the soldiers of Plataea
3. ✔ love and devotion towards their city state
4. ✖ staunch belief in Gods

Question Number : 199 Question Id : 75322920896 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following is NOT true?

Options :

1. ✖ The Persian empire suffered defeat at Marathon.
2. ✔ Herodotus was the general of the Persian army.
3. ✖ The citizens of Delos fled from their city in fear.
4. ✖ The Persians were no match for the Athenians in archery.

Question Number : 200 Question Id : 75322920897 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

The tone of the passage is

Options :

1. ✖ satirical
2. ✖ humorous
3. ✔ laudatory
4. ✖ regretful

Question Id : 75322920892 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No Question Pattern Type : NonMatrix Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Question Numbers : (196 to 200)

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Tiny Athens stood alone against Persia. The Athenian people went to their sanctuaries. There they prayed for deliverance. They asked their gods to expedite their victory. The Athenians refurbished their weapons and moved to the plain of Marathon, where their little band would meet the Persians. At the last moment, soldiers from Plataea reinforced the Athenian troops.

The Athenian army attacked, and Greek citizens fought bravely. The power of the mighty Persians was offset by the love that the Athenians had for their city. Athenians defeated the Persians in both archery and hand combat. Greek soldiers seized Persian ships and burned them, and the Persians fled in terror. Herodotus, a famous historian, reports that 6,400 Persians died, compared to only 192 Athenians.

Sub questions

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3. ✖ Delos

4. ✖ Plataea

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