

Annexure-A

Topics of syllabus-*PGT-Agriculture* in DoE

1. Principles of agricultural meteorology
2. Introductory agriculture
3. Introduction to computer application
4. Comprehension and communication in English
5. Mathematical methods in agriculture
6. Elementary botany
7. Elementary zoology
8. Fundamentals of rural sociology and educational psychology
9. Introduction to soil science
10. Principles of seed technology
11. Introduction to statistical methods
12. Principles of agricultural economics
13. Principles of agronomy
14. Bio-chemistry
15. Insects morphology and systematic
16. Fundamental of genetics
17. Live-stock production and management
18. Elementary micro biology
19. Soil fertility, soil chemistry and nutrient management
20. Agricultural finance and co-operation
21. Irrigation water management
22. Field crops
23. Principles of plant breeding
24. Production technology of fruit crops
25. Plant pathogens and principles of plant pathology
26. Manures, fertilizers and agro chemicals
27. Production technology of vegetable crops
28. Agricultural marketing, trade and prices
29. Weed management
30. Insects ecology and integrated pest management including beneficial insects
31. Dimensions of agricultural extension
32. Breeding of field crops
33. Production technology of spices, medicinal, aromatic and plantation crops
34. Diseases of field crops and their management
35. Production economics and farm management
36. Rain-fed agriculture
37. Organic farming
38. Principle practical crop production
39. Crop and stored grain pests and their management
40. Social and farm forestry

41. Principles of plant biotechnology
42. Post harvest management of fruits and vegetables
43. Protected cultivation and post harvest technology
44. Fundamental of soil and water conservation engineering
45. Fundamentals of agri-business management
46. Farming systems and sustainable agriculture
47. Environmental science
48. Extension methodologies for transfer of agricultural technology
49. Entrepreneurship development and communication skill
50. Farm power and machinery
51. Ornamental horticulture
52. Introductory nematology
53. Renewable energy
54. Diseases of horticulture crops and their management
55. Agricultural economics and agri-business
56. Agricultural extension and rural sociology
57. Commercial agriculture
58. Crop improvement
59. Crop production
60. Horticulture and vegetable sciences
61. Plant protection
62. Post harvest technology and value addition
63. Basic sciences
64. Rural agricultural work experience.

Annexure-B

Topics of syllabus-Teaching Education and Methodology:-

1. Learning & Teaching
2. Language across the curriculum
3. Understanding discipline and subject
4. Gender school and Society
5. Pedagogy of a school subject
6. Knowledge and curriculum
7. Assessment for learning
8. Creating an inclusive school
9. Childhood and growing up
10. Drama and Art in Education