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TN XII-STD BIO-BOTANY

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UNIT VI – REPRODUCTION IN PLANTS

CHAPTER 1 - Asexual and Sexual Reproduction in Plants

Short Questions:-

- 1. What is asexual reproduction? 2
- 2. Define Clones 2
- 3. Reproductive propagules or diaspores 2
- 4. Write the names of plants in which the roots are developed by vegetative reproduction. 2
- 5. Which is called as Terror of Bengal? Why?
- 6. Write the names of plants in which the stem developed by vegetative reproduction. 4
- 7. Write the names of plants in which the leaves developed by vegetative reproduction. 4
- 8. What are epiphyllous buds? 4
- 9. Advantages of natural Vegetative Reproduction 4
- 10. Disadvantages of natural Vegetative Reproduction 4
- 11. What are the conventional methods of vegetative reproduction? 4
- 12. Define the grafting method of vegetative reproduction. 4
- 13. Write the advantages and Disadvantages of Conventional methods. 6
- 14. What is totipotent? 6
- 15. Micropropagation 6
- 16. Define Sexual Reproduction 7
- 17. Write the whorls of flower, 7
- 18. Explain Microsporogenesis 7
- 19. What is pollinium? 8
- 20. What are the layers present in the matured anther wall? 8
- 21. Define Stomium 9
- 22. What is Tapetum? Write its types. 9
- 23. Write the functions of tapetum. 9
- 24. Cryopreservation 10
- 25. What is Bee pollen? Write its applications. 10
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- 29. What are the types of ovules? 12
- 30. What is pollination? Explain its types. 14

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- 35. Write the advantages and disadvantages of self and cross pollination 20
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- 37. Write the stages involved in double fertilization. 20
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- 40. Write the types of style. 21
- 41. What is double fertilization? 22
- 42. Write the types of endosperm seen in angiosperms. And mention their functions. 24
- 43. Difference between amphimixis and apomixes. 27
- 44. What is polyembryony? Write the catagories. 28
- 45. What is parthenocarpy? What are the types? 28
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<u>UNIT VII – GENETICS</u>

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- 5. Give the reasons for Mendel's success. 35
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- 7. What are the characters chose by Mendel for his pea plant experiment? 36
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- 11. Give the Law of Segregation 37
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UNIT VIII – BIOTECHNOLOGY

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UNIT VIII – BIOTECHNOLOGY

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- 24. Write ethical issues in genomic research. 119
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UNIT IX - PLANT ECOLOGY

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UNIT IX – PLANT ECOLOGY

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<u>UNIT X – ECONOMIC BOTANY</u>

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<u>UNIT X – ECONOMIC BOTANY</u>

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