

(2)

PART - II

XII Zoology

6x2=12

II Answer any six of the following.

Q.No. 24 is compulsory

16. What is "Apolysis"?
17. What is meant by "rete testis"?
18. What is "POCSO Act"?
19. What is "Criss - cross pattern of Inheritance"?
20. What is meant by "non-sense Codons"?
21. Define:- "Coacervates".
22. What are the three phases of plasmodium Life Cycle?
23. Define: "Stem Cell Banks".
24. Define: "Jordon's rule".

PART - III

III Answer any six of the following.

Q.No. 33 is compulsory.

6x3=18

25. Differentiate: Isogamy and Anisogamy.
26. Define: "Amniocentesis".
27. What are the Applications of Karyotyping?
28. Draw and label the schematic structure of a transcription unit.
29. Define: "Anaphylaxis".
30. What is "Bioremediation"? Mention its types.
31. What are the criteria must be satisfied for patenting?
32. Differentiate: 'J' and 'S' shaped Curve.
33. What is "smog" and how it is harmful for us?

PART - IV

IV Answer the following questions briefly:

5x5=25

34. a) Write any five major reproductive events in human beings. (OR)
- b) Write a short note on Medical termination of pregnancy (MTP)
35. a) Explain Genic balance in Drosophila. (OR)
- b) Explain the wobble hypothesis.
36. a) Darwin's finches and Australian marsupials are suitable examples of adaptive radiation - Justify this statement. (OR)
- b) Explain the Life cycle of plasmodium in human beings.
37. a) Tabulate the differences between primary and secondary immune responses. (OR)
- b) Describe the steps involved in PCR.
38. a) Explain the Adaptation of terrestrial animals. (OR)
- b) Discuss the role of a person in protection and Conservation of forests.

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