

XII BIO – ZOOLOGY

IMPORTANT BOOK IN QUESTIONS

2 MARKS:

1. Define Regeneration. Mention its types.
2. Mention the different modes of asexual reproduction .
3. Define conjugation?
4. What is hyaluronidase?
5. Define mesovarium?
6. Define LH surge?
7. Define colostum?
8. What is ovulation?
9. What is ' let – down reflex'?
10. Define birth control
11. Define tubcetomy and vasectomy
12. What is Rh factor?
13. What is Lyon's hypothesis?
14. How does haemophilia affect an individuals?
15. Differentiate Nucleoside and Nucleotide
16. Define genophore
17. Distinguish between heterochromatin and euchromatin
18. Define shotgun sequencing
19. Why HGP is called as mega project?
20. How does DNA polymorphism arrange in a population?
21. Did aquatic life forms get fossilized? If yes where do we come across such fossils?
22. Define protobionts.
23. Define Petrification.
24. Define Gene flow.
25. Define connecting link. Give examples.
26. Define coacervates.
27. Why Mesozoic era is known as golden age of reptily?
28. List out bacterial / viral / protozoan disease.
29. Define Immunology.
30. Define Haptens.
31. What are peyer's patches.
32. What is korsakoff syndrome.
33. What is metastasis?

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34. What are probiotics.
35. What is cyclosporin – A ?
36. What is mycorrhiza?
37. What is super bug.
38. Why penicillin known as queen of antibiotics?
39. Define the term MFC.
40. What are the uses of hGH?
41. What are attenuated recombinant vaccines?
42. Types of ELISA?
43. Define totipotency
44. Define DNA Amplification.
45. Insulin extracted from the pancreas of cow and pig cannot be used. why?
46. Define Transgenesis.
47. List out the adaptations of camel
48. Van Hoeff's rule.
49. Bergmann's rule
50. Photoaxis.
51. Define diapause.
52. Define Carrying Capacity.
53. Define Homeostasis.
54. Define commensalism.
55. Define genetic diversity.
56. Define Genebanks.
57. Define cryopreservation.
58. Effects of pollution.
59. List out green house gases.
60. Define agrochemicals.
61. Define smog.
62. Define E – Waste.
63. Define Accelerated Eutrophication.
64. What are Ecosan toilets?
65. Define deforestation.

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3 MARKS

1. What is apolysis? Write its significance.
2. Differentiate exogenous and endogenous budding
3. Why is conjugation considered to be a form of reproduction.
4. What is corpus luteum?
5. What is acrosome reaction?
6. What is capacitation?
7. What is lactational amenorrhoea?
8. Write down the causes of infertility?
9. What are holandric genes?
10. Define Karyotyping.
11. Define kin selection.
12. What is erythroblastosis foetalis (or) Haemolytic disease of the new born.
13. What is lyonisation?
14. Retro viruses do not follow central dogma. Comment.
15. List out the Applications of DNA finger printing.
16. Explain wobble hypothesis .
17. List out the features of mutation theory.
18. State and explain any three factors affecting allele frequency in populations.
19. Difference between normal cell and cancer cell.
20. Write short notes on auto immune disease.
21. Structure of HIV.
22. Write short notes on antibiotic resistance
23. What is organic farming.
24. What are methanogens? How do they help biotechnology.
25. Schematic diagram of cloning of dolly.
26. Write a note on temperature as abiotic factor?
27. How extinction of dodo bird affect calvaria tree.
28. Why sparrows are been is the state of extinct?
29. Species area relationships.
30. List out the effects of noise pollution.
31. Why E - waste are known as hazardous waste?
32. Define Air Quality Index.
33. List out the method of disposal of radio active waste.

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5 MARKS

1. Describe the different phases of life cycle in an organism.
2. Explain parthenogenesis.
3. Differentiate spermatogenesis and oogenesis.
4. Write a note on extra embryonic membrane.
5. Write a note on cervical cancer.
6. Explain criss – cross pattern of Inheritance. write an example.
7. Draw and explain the structure of t-RNA
8. Process of transcription in prokaryotes.
9. Salient features of HGP
10. Explain in detail about Lac operon model.
11. Explain Darwin's theory.
12. What are the assumption of Hardy Weinberg.
13. Life cycle of plasmodium
14. Primary lymphoid organs.
15. Write short notes on prevention and control for drug and alcohol abuse?
16. Explain sewage treatment process.
17. Process of biogas production.
18. Steps involved in ELISA.
19. Application of PCR.
20. Uses of transgenesis.
21. List out the characters of desert biome.
22. Population interaction - explain.
23. Differences between r-selected species and k-selected species.
24. List out and explain the types of extinction.
25. Explain organic farming.
26. Write a note on People's participation in conservation of forests?

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