

MODEL QUESTION PAPER

ZOOLOGY

Time: 2.30 Hrs.

Maximum Marks: 90

PART - A

Answer all the questions:

15 X 1 = 15

1. In animal cell mitochondria produces _____ % of ATP molecule
 - a) 75%
 - b) 60%
 - c) 50%
 - d) 95%
2. Ceruminous glands secrete
 - a) Tear
 - b) Sebum
 - c) Earwax
 - d) Sweat
3. The maturation of sperms occur at
 - a) Vas deferens
 - b) Seminal vesicle
 - c) Epididymis
 - d) Testes
4. The chromosomal basis for sex determination was first proposed by
 - a) C.B. Bridges
 - b) Clarence MC clung
 - c) T.H. Morgan
 - d) F.Baltzer
5. According to Mendel brachydactyly is
 - a) Dominant character
 - b) Recessive character
 - c) Intermediate character
 - d) Double recessive character
6. The larvae of corals are called
 - a) Planulae
 - b) Trochophore
 - c) Caterpillar
 - d) Nymph
7. _____ is an important mechanical vector
 - a) Sand flies
 - b) Rat fleas
 - c) Housefly
 - d) Butterfly
8. The wasp's poison consists of
 - a) Pyridoxine
 - b) Histamine

PART - B

Answer any six of the following; Question No. 21 is Compulsory

6 X 2 = 12

16. Distinguish between pleiotropism and multiple allelism.
17. Earth worms are used as a feed for fish, prawn and shrimp-support your answer.
18. How will you identify male and female crabs?
19. What is jungle safari?
20. Compare epimorphosis and morphollaxis
21. How are foreign objects reaching the trachea expelled?
22. What is Cauda equina?
23. Name the main lobster landing centres in India.
24. Define taxon.

PART - C

Answer any six of the following; Question No. 30 is compulsory 6 X 3 = 18

25. 35% of cancer death are due to tobacco- Discuss.
26. Distinguish between corpus luteum and corpus albicans.
27. What influences sex determination in *bonellia viridis*?
28. What is Isinglass? Mention its use.
29. How can you prevent fouling?
30. Write any three evolutionary significances of fossils.
31. What is vestigial organ? List few vestigial organs in man.

32. How will you protect the books from the attack of silver fish?
33. How is vermiform appendix useful for herbivores?

PART - D

Answer all questions:

5 X 5 = 25

34. Compare and contrast the five classes of arthropoda.

(OR)

Describe the endo erythrocytic cycle of malarial parasite

35. How will you prepare permanent slides for microscopic observation?

(OR)

Classify the arteries based on their functions.

36. Lymphatic system provides Immunity-Discuss.

(OR)

Comment on ventricles of brain.

37. How is blood group analysis useful to human?

(OR)

Write a note on Pearl Culture technique

38. How will you classify insects? Explain about the useful by products obtained from them.

(OR)

i) Write note on Urey – Miller’s Hypothesis.

ii) Write a note on Darwin’s finches.

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