

MODEL QUESTION PAPER

ZOOLOGY – Paper II

Time : 3 Hours

Max Marks : 60

Section – A

(Very short Answer type)

10x2=20 Marks

- i) Answer all questions.
 - ii) Each question carries 2 marks.
 - iii) Diagrams need not be drawn.
- 1) What is the common feature found in Apoda & Chelonia? Explain.
 - 2) Explain about “foramen of Panizza”. In which order it is present?
 - 3) What is Bohr effect ? Name the factors that control the Bohr’s effect.
 - 4) Explain how “active sites” are exposed’.
 - 5) Differentiate between Myxedema & Cretinism
 - 6) A.Rh positive women, whose father is A.Rh Negative, marries Rh Negative Man. What is the possibility that their child be a Rh Negative.
 - 7) Hardy – Weinberg law.
 - 8) Heterosis.
 - 9) Austrowhites.
 - 10) What are B – Lymphocytes and How are they produced ?

Section – B

(Short Answer Type)

$6 \times 4 = 24$ marks

- i) Answer any SIX of the following questions.
 - ii) Each question carries 4 marks.
 - iii) Every answer may be limited to 75 words.
- 11) Write three important Characters and Two General Character of Chordata.
 - 12) Distinguish between Poisonous and Non Poisonous snakes.
 - 13) What is chyme ? Explain the future of chyme in the system.
 - 14) Draw a labelled diagram of L.S. of heart.
 - 15) Explain Darwin's Theory of Natural Selection with Industrial Melanism.
 - 16) Define Homologous and Analogous organs ?
 - 17) Inter phase hither to considered as resting phase. But now it is not so. Explain the activity during this phase.
 - 18) Write about MABS.

Section – C

(Essay Type Question)

$2 \times 8 = 16$ Marks

- i) Answer any TWO of the following questions.
 - ii) Each question carries 8 marks.
 - iii) Every answer may be limited to 300 words.
 - iv) Draw diagrams where ever necessary.
- 19) Classify the Animals basing on the Excretory products and write how Urine is formed in rabbit.
 - 20) Explain the impulse transmission through a nerve, write about Saltatory transmission.

- 21) a) As per Mendal one of the characters of the parents will appear in the Progeny. But certain instances it may not happen. Explain.
- b) Explain the statement “Every test cross is a back cross but not every Back cross is a test cross.

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