Model Question Paper

Subject: Biology **Paper: Zoology**
Class:12th **M.M: 35**
Time: 1 and ½ hrs

General Instructions:

(A) There are a total of 14 questions and four sections in the question paper. All questions are compulsory.

(B) Section (A) contains question number 1 to 4, objective type questions of one mark each, section (B) contains question number 5 to 7 very short answer type questions of two marks each, section (C) contains questions number 8 to 12, short answer type questions of three marks each and section (D) contains question number 13 and 14, long answer type questions of five marks each.

(C) There is no overall choice in the question paper. However, internal choices are provided in one question in section (B) and section (C) of two marks and three marks respectively and all two questions in section (D) of five marks each. An examinee is to attempt any one of the questions out of the two given in the question paper with the same question number.

Section – A **(1mark each)**

Q1. What is the probability that the son of a colour blind father would be a colour blind.

(a) 0 (c) ¼

(b) ½ (d) 1

Q2. The internal buds produced by Porifera are called as _____.(Fill in the blank)

Q3. (2N+1+1) is a case of nullisomy. (True or False).

Q4. Give the scientific name of Ringworm.

Section –B **(2 marks each)**

Q5. Give the functions of Luteinising hormone in human males and females.

Q6. Differentiate between homologous and analogous organs.

Q7. What is the function of chilled ethanol in DNA extraction?

Or

Write a brief note on Restriction endonucleases.

Section- C **(3 marks each)**

Q8. Draw a well labeled diagram of T.S. Ovary.

Q9. MOET programmed has helped in increasing the herd size of the desired variety of cattle. List the steps involved in conducting the programme.

Q10. Differentiate between cell mediated and humoral immunity.

Q11. Explain briefly PCR.

Q12. Describe sex determination mechanism in birds.

Or

Describe sickle cell anaemia.

Section –D **(5 marks each)**

Q13. Define spermatogenesis. Name the hormones involved in regulation of spermatogenesis. Add a short note on spermiation.

Or

Suggest some methods to infertile couples to have a child.

Q14. Describe Darwin's theory of Natural selection.

Or

Why 'Human Genome Project' is called a Mega Project. Write down its goals and future implications.