

Tamilnadu Board Class 12 Zoology Sample Paper 2

Higher Secondary Second year

Model Question Paper – 2

Zoology

Time : 2.30 hours

Marks : 70

Section- I

I) Answer all the questions

15X 1 = 15

Choose the most suitable answer from the given four alternatives and write the option code and the Corresponding answer

- 1 Select the number of auto immune diseases from the following
- i) Rheumatoid arthritis ii) Myasthenia gravis iii) SCID
iv) Multiple Sclerosis v) Gout vi) Rheumatic heart disease
- a) 5 b) 4 c) 3 d) 2
- 2 Find the incorrect pair
- a) Myxoedema - Hypothyroidism
b) Tetany - Hyperparathyroidism
c) Grave's disease - Hyper thyroidism
d) Diabetes insipidus - poly urea
- I) a ii) b iii) c iv) d
- 3 Germ theory of disease was given by
- a) Louis Pasteur b) Joseph Lister
c) Robert Koch d) Alexander Flemming
- 4 Series of vegetative cells of bacteria surrounded by a slimy sheath is called
- a) Trichome b) Cluster c) Chains d) Filaments
- 5 Vaccines that are used to elicit immunity are prepared from_____ strains
- a) Virulent b) attenuated
c) Mixed d) viral
- 6 Find the number of correct statements
1. Monocytes get converted into macrophages during infection
2. They act as anti-oxidant
- a) 1 b) 2 c) both d) None
- 7 'DOPA' is associated with which of the following genetic disease?

Section- II

Write any 6 questions(Q.20 Compulsory)

6x2=12

- 16 Vitaminosis is not applicable for water-soluble vitamins why?
- 17 Which are called bio catalysts? Why?
- 18 Define Antibiotic
- 19 Differentiate generalised and specialized transduction
- 20 Differentiate Antigen and Immunogen.
- 21 What is Plasmid? What is its significance?
- 22 Differentiate life span and life expectancy
- 23 List out the poultry by products.
- 24 What is Fecundity?

Section- III

Answer any Six of the following in which question no. 30 is compulsory

6x3=18

- 25 Nutritional Rickets is a common problem among the Indian population living below poverty line- justify .Suggest some measures for its prevention.
- 26 Name some of the modern techniques used for correcting bone deformities.
- 27 Define Zooanthroponosis.
- 28 Differentiate active and passive immunity.
- 29 Albinism is caused due to an inborn error in metabolism - Justify.
- 30 What are Green house gases? What are its different types? Give Examples.
- 31 What is Beehive? What are the different types of beehive?
- 32 Define Mendelian Population.
- 33 Define fish farming.

Section- IV

5 X 5 = 25

Give the answer for the following questions

- 34 i) Explain how digested food materials get absorbed into the small intestine.
a) ii) Write down the steps involved in root canal treatment.
(or)
- b) I) Gaseous exchange in alveoli.
ii) Physiological effects of sleep.
- 35 Write a note on structure of viruses.
Or
- i) Explain in detail about the techniques / methods that help to overcome graft rejection.
ii) What is differentiation? How was it proved experimentally by the embryologists?
- 36 Proteins undergo structural modification during its synthesis? Why? Write a note on the models that explains about its structure & its uses.
Or
Define poverty. Write a note on its alleviation measures.
- 37 Explain about the mechanism of recording of heart waves with a neat labelled diagram.
Or
What is natural selection? Write a note on the different types of selection.
- 38 Write an essay on the equipment used in bee hive.
(Or)
Integrated fish culture and its types.