

Higher Secondary Second year

Model Question Paper – 3

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 Which type of muscular exercise is beneficial for cardio-vascular system
 - a) Isometric contraction
 - b) Isotonic contraction
 - c) Both a and b
 - d) Anaerobic muscular contraction
- 2 Unsaturated fatty acids are abundant in
 - a) Coconut oil
 - b) safflower oil
 - c) butter
 - d) vanaspathy
- 3 Match the following and find the correct answer
 - a) Hyper secretion of growth hormone in adults
 - b) Hyper secretion of thyroxine in adults
 - c) Hypo secretion of thyroxine in children
 - d) Hypo secretion of Insulin
 - A) Hyper glycemia
 - B) Critinism
 - C) Myxoedema
 - D) Acromegaly
 - a) I) C ii) D iii) A iv) B
 - b) I) D ii) C iii) B iv) A
 - c) I) B ii) D iii) A iv) C
 - d) I) C ii) A iii) D iv) B
- 4 Which of the following is antiretro viral drug
 - a) Interferon
 - b) Pencillion
 - c) Zidovudin
 - d) Streptomycin
- 5 The virus used to prepare small pox vaccine is
 - a) Adeno virus
 - b) Pox virus
 - c) Variola virus
 - d) Vaccinia virus
- 6 Acquired immunity is found in
 - a) Insects
 - b) Snails
 - c) Starfish
 - d) Birds and mammals
- 7 Transfer of immune products from an individual in to non-immune individual
 - a) Innate Immunity
 - b) Passive Adaptive immunity
 - c) Active adaptive immunity
 - d) Non-specific immunity

- 8 Which of the following is soluble Antigen?
 a) Virus b) Bacterial toxin c) Bacteria d) Erythrocytes
- 9 If the palindrome sequence GGATTC read in 5'-3' direction the sequence on the opposite direction is
 a) GGATTC b) CCATTC c) CCTAAG d) CTTAAG
- 10 Which of the following is not related to Huntington's chorea?
 a) Uncontrolled twitching of voluntary muscles b) depression
 c) Occasional hallucination d) Partial albinism
- 11 A good choice among all the alternative fuel option is
 a) Natural Gas b) Butane
 c) Hydrogen d) Gobar gas
- 12 India's first power plant generating electricity from ocean energy is commissioned at
 A) Chennai b) Vizhinam
 c) Masoolipattinam d) Vizagapattinam
- 13 Minorca originated from
 A) Europe b) Asia
 c) Spain d) Australia
- 14 The life span of queen bee is
 A) 4-5 years b) 3-4 years
 c) 2-3 years d) 5-6 years
- 15 How many cocoons are required to obtain 1 Kg of raw silk?
 a) 50,000 b) 55,000
 c) 45,000 d) 40,000

Section- II

Write any six of the following

6x2=12

- 16 Identify True and False Statement
 a) Menstrual cycle ceases during pregnancy
 b) Leydig cells are found in the ovary
- 17 What is cataract?
- 18 What is bubonic plague? What are its symptoms?
- 19 Name two auto immune diseases
- 20 What is the reason for albinism?

- 21 What are biomedical wastes? How are they disposed off?
- 22 What are the symptoms for anthrax?
- 23 Name any four milch breeds
- 24 What is integrated fish culture?

Section- III

Answer any Six of the following in which question no. 30 is compulsory 6x3=18

- 25 Name the following hormone
 - a) Hyper glycemc hormone
 - b) Hypocalcemic hormone
 - c) Anti diuretic hormone
- 26 What is reflex arc? What are the organs involved in it?
- 27 Write a note on amoebiasis.
- 28 List out the Primary Lymphoidal organs.
- 29 What is pedigree Chart? What are the diseases identified by pedigree chart?
- 30 Why should biodiversity be conserved?
- 31 What are the uses of bee venom?(Any three)
- 32 What is 'Bottle Neck' effect?
- 33 Which is the best medicinal food of 21st century? Why?

Section- IV

Give the answer for the following questions 5 X 5 = 25

- 34 What are dental caries? Explain its symptoms and treatment.
Or
Explain the mechanism of breathing.
- 35 Write an essay about symptoms, diagnosis control and management of AIDS.
Or

What are the symptoms of graft rejection? What are the measures taken to prevent graft rejection?

- 36 Explain about human genetical diseases sickle cell anaemia and Huntington's chorea.

Or)

Explain about the management of Hazardous wastes.

- 37 Describe ECG [Electrocardiogram]

Or)

Describe genetic drift (or) sewall wright effect.

- 38 Describe about induced breeding technique in fish.

(Or)

What are environment and public health hazards caused by aquaculture practice. What are the steps taken by Government to overcome this?