

Ranipet - dist.

COMMON HALFYEARLY EXAMINATION- 2023**B****Standard - XI****Time : 3.00 hrs****ZOOLOGY****Marks: 70****Part - I****Note:- i) Answer all the questions.****ii) Choose the most appropriate answer from the given four alternatives and write the option code and the corresponding answer. 15×1=15**

- 1) Who coined the term biodiversity?
 - a) Walter Rosen
 - b) AG Tansley
 - c) Aristotle
 - d) AP de Candole
- 2) The limbless amphibian is
 - a) Ichthyophis
 - b) Hyla
 - c) Rana
 - d) Salamander
- 3) Non-Shivering thermogenesis neonates produces heat through
 - a) White fat
 - b) Brown fat
 - c) Yellow fat
 - d) Colourless fat
- 4) The clitellum is a distinct part in the body of earthworm lampito mauritii it is found in?
 - a) Segments 13-14
 - b) Segments 14-17
 - c) Segments 12-13
 - d) Segments 14-16
- 5) Which of the following combinations are not matched?

Column I	Column II
a. Bilirubin and biliverdin	i) intestinal juice
b. Hydrolysis of starch	ii) Amylases
c. Digestion of fat	iii) Lipases
d. Salivary gland	iv) Parotid
- 6) Vital capacity is
 - a) TV+IRV
 - b) TV+ERV
 - c) RV+ERV
 - d) TV+TRV+ERV
- 7) Erythroblastosis foetalis is due to the destruction of
 - a) Foetal RBCs
 - b) Foetus suffers from antherosclerosis
 - c) Foetal WBCs
 - d) Foetus suffers from mianmata
- 8) Podocytes are the cells present of the
 - a) Outer wall of Bowman's capsule
 - b) Inner wall of Bowman's capsule
 - c) Neck of nephron
 - d) Wall glomerular capillaries
- 9) The region between two successive Z - discs is called a
 - a) sarcomere
 - b) mictotuhule
 - c) myoglonbin
 - d) actin
- 10) Which structure in the ear converts pressure waves to action potentials?
 - a) Tympanic membrane
 - b) Organ of Corti
 - c) Oval window
 - d) semicircular canal
- 11) _____ is the 'seat of intelligence'
 - a) Mid Brain
 - b) Hind Brain
 - c) Medulla oblongata
 - d) Cerebrum
- 12) A pregnant female delivers a baby who suffers from stunted growth, mental retardation, low intelligence quotient and abnormal skin. This is the result of
 - a) Low secretion of growth hormone
 - b) Cancer of the thyroid gland
 - c) Over secretion of pars distalis
 - d) Deficiency of iodine in diet

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- 13) Which one is called anti diuretic hormone.
 a) Insulin b) Vasopressin c) FSH d) LH
- 14) PET scan uses
 a) Radio isotopes b) UV rays c) Ultra sound d) IR waves
- 15) Prawn belongs to the class
 a) crustacea b) Annelida c) Coelenterata d) Echinodermata

Part - II

Note: Answer any six questions. Question No.24 is compulsory:- 6×2=12

- 16) Differentiate Open type and Closed type of circulatory system.
 17) What is Mast cells.
 18) Head of cockroach is called hypognathous. Why?
 19) What is Methaemoglobin.
 20) List out the three layers of human blood vessels.
 21) Name the different types of movement.
 22) Hormones are known as chemical messenger. Justify.
 23) What does a pace maker do?
 24) Give the economic importance of prawn fishery.

Part - III

Note: Answer any six questions. Question No.33 is compulsory:- 6×3=18

- 25) Differentiate between probiotics and pathogenic bacteria.
 26) List three features that characterise bony fishes.
 27) List out some economic importance of Frog
 28) What is Gastro Oesophagus Reflex Disorder.
 29) Draw and labeled structure of Nephron.
 30) Why is the blind spot called so?
 31) Specify the symptoms of acromegaly.
 32) Mention the advantages of MOET.
 33) Enumerate the uses of stethoscope.

Part - IV

Note: Answer all questions. 5×5=25

- 34) a) Give the basic need for classifications. [or]
 b) Tabulate classification of kingdom Animalia based on common fundamental features.
- 35) a) Detailed explain Economic importance of Earthworm. [or]
 b) Tabulate Events in inspiration and expiration.
- 36) a) Detailed explain about Cardiac cycle. [or]
 b) What are the different type of bone fracture? (draw diagram)
- 37) a) Explain about Refractive errors of Eye. (Draw diagram) [or]
 b) Comment on the functions of adrenalin.
- 38) a) What are the advantages of CT over other imaging techniques? [or]
 b) What is artificial insemination? Given some Advantages of artificial insemination.

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Kindly send me your answer keys to us - padasalai.net@gmail.com