

VILLUPURAM DIST.

**Class : 11**Register  
Number**COMMON QUARTERLY EXAMINATION - 2024 - 25**

Time Allowed : 3.00 Hours]

**ZOOLOGY**

[Max. Marks : 70

**PART - I**

- Note :** i) Answer all the questions. 15×1=15  
ii) Choose the most appropriate answer from the given four alternatives and write the option code and the corresponding answer.

1. Who coined the term Biodiversity?  
a) Walter Rosen      b) AG Tansley      c) Aristotle      d) AP de Candole.
2. Cladogram considers the following characters  
a) Physiological and Biochemical      b) Evolutionary and Phylogenetic  
c) Taxonomic and systematic      d) None of the above
3. The excretory cells that are found in platyhelminthes are  
a) Protonephridia      b) Flame cells      c) Solenocytes      d) All of these.
4. The limbless amphibian is  
a) Ichthyophis      b) Hyla      c) Rana      d) Salamander.
5. Non-shivering thermogenesis neonates produces heat through  
a) White fat      b) Brown fat      c) Yellow fat      d) Colourless fat
6. The ciliated epithelium lines the  
a) Skin      b) Digestive tract      c) Gall bladder      d) Trachea
7. The type of vision in Cockroach is  
a) Three dimensional      b) Two dimensional  
c) Mosaic      d) Cockroach do not have vision
8. Presence of gills in the tadpole of frog indicates that  
a) Fishes were Amphibious in the past      b) Fishes evolved from frog -like ancestors  
c) Frogs will have gills in future      d) Frogs evolved from gilled ancestor
9. Which of the following hormones stimulate the production of pancreatic juice and bicarbonate?  
a) Angiotensin and epinephrine      b) Gastrin and insulin.  
c) Cholecystokinin and secretin      d) Insulin and glucagon.
10. The sphincter of Oddi guards  
a) Hepatopancreatic duct      b) Common bile duct  
c) Pancreatic duct      d) Cystic duct
11. First step in digestion of fat is  
a) Emulsification      b) Enzyme action  
c) Absorption by lacteals      d) Storage in adipose tissue.
12. Which of the following is not the function of liver?  
a) Production of insulin      b) Detoxification  
c) Storage of glycogen      d) Production of bile
13. Breathing is controlled by  
a) Cerebrum      b) Medulla oblongata      c) Cerebellum      d) Pons

V/11/Zoo/1

14. Vital Capacity is  
 a) TV+IRV                      b) TV + ERV                      c) RV + ERV                      d) TV + IRV + ERV.
15. It is characterized by Chronic Breathlessness ?  
 a) Pneumonia                      b) Bronchitis                      c) Emphysema                      d) Tuberculosis

**PART-II**

**II. Answer any 6 Questions: Question NO. 24 is Compulsory**

6x2=12

16. What is the role of Charles Darwin in relation to concept of species?  
 17. Write down any two common characterise of Phylum Cnidaria.  
 18. What are Flame cells?  
 19. Why blood is considered as a typical Connective Tissue?  
 20. What is Hematology ?  
 21. Comment on the functions of alary Muscles?  
 22. How do proteins differ from fats in their energy value and their role in the body?  
 23. Which structure seals the larynx when we Swallow?  
 24. Why do some People Snore?

**PART - III**

**III. Answer any 6 Questions: Question NO. 33 is Compulsory**

6x3=18

25. Differentiate between probiotics and Pathogenic Bacteria.  
 26. What is Trinominal Nomenclature ? Give an example .  
 27. Compare closed and opened circulatory system.  
 28. Differentiate white adipose Tissue from brown Adipose Tissue.  
 29. Write the types of respiration seen in frog.  
 30. Write down the Economic importance of Frog  
 31. Bile juice contains no digestive enzymes, yet it is important for Digestion. Why?  
 32. Why is pneumonia considered a Dangerous disease?  
 33. How many pairs of Salivary Glands present in human? Where it is located?

**PART - IV**

**IV. Answer the Questions :**

5x5=25

34. a) Can we use recent molecular tools to identify and classify organisms?  
 (OR)  
 b) Differentiate between chordates and non-chordates
35. a) What is an epithelium? Enumerate the characteristic features of different epithelia.  
 (OR)  
 b) Write down any five common characterise of phylum Arthropoda.
36. a) Differentiate between male and female Cockroach?  
 (OR)  
 b) Draw a neat labeled diagram of the digestive system of Frog.
37. a) List out the function of Liver.  
 (OR)  
 b) Briefly explain the process Of digestion in the Stomach
38. a) Tabulate the Events in inspiration and expiration.  
 (OR)  
 b) Writ down the Effects of Smoking .

V / 11 / Zoo / 2