

HALF-YEARLY EXAMINATION - 2023

STD - XI

ZOOLOGY

TIME : 3.00 Hrs

11615
MARKS : 70

PART - I

I. Answer all the questions.

15 x 1 = 15

1. Which of the following is not present in same rank?
a) Primata b) Orthoptera c) Diptera d) Insecta
2. Which of the following animals has a true coelom?
a) Ascaris b) Pheretima c) Sycon d) Taenia Solium
3. Retrogressive metamorphosis is found in
a) Balanoglossus b) Amphioxus c) Ascidia d) All the above
4. Prevention of substance from leaking across the tissue is provided by
a) Tight junction b) Adhering junction c) Gap junction d) Elastic junction
5. Which of the following have an open circulating system?
a) Frog b) Earthworm c) Pigeon d) Cockroach
6. Which vitamin helps to form myelin sheath?
a) Vitamin B₁₂ b) Vitamin B₆ c) Vitamin B₉ d) Vitamin B₇
7. After a long deep breath, we do not respire for some seconds due to
a) more CO₂ in the blood b) more O₂ in the blood
c) less CO₂ in the blood d) less O₂ in the blood
8. A patient's chart reveals that he has a cardiac output of 7500ml per minute and a stroke volume of 50ml. What is the pulse rate (in beats / min)
a) 50 b) 100 c) 150 d) 400
9. Normal urea level in human blood is?
a) 20 - 30 mg / 100 ml b) 20 - 30 g / 100 ml c) 17 - 30 mg / 100 l d) 17-30 mg/100 ml
10. Appendicular skeleton is
a) Girdles and their limbs. b) vertebrae
c) Skull and vertebral column. d) Ribs and sternum
11. When the potential across the axon membrane is more negative than the normal resting potential, the neuron is said to be in a state of
a) Depolarization b) Hyperpolarization c) Repolarization d) Hypopolarization
12. Which one of the following statement is correct
a) Calcitonin and thyrosin are thyroid hormones
b) Pepsin and prolactin are secreted in stomach
c) Secretin and rhodopsin are polypeptide hormone
d) Cortisal and aldosterone are steroid hormones
13. Which of the following pairing is correct?
a) Heart - Renin b) Stomach - Erythropoietin
c) Duo denum - Cholecystokinin d) Pancreas - Atrial natriuretic factor

14. Diluting fluid used for total RBC count is
 a) Turk's solution b) Toisson solution c) Heyem's solution d) Folin Phenol reagent
15. Induced breeding technique is used in
 a) Marine fishery b) Capture fishery c) Culture fishery d) Inland fishery

PART - II**II. Answer any Six Questions. Q.No.21 is compulsory****6 x 2 = 12**

16. Differentiate between probiotics and pathogenic bacteria.
17. Write the autoimmune connective tissue disorders?
18. Write the role of Chloragogen cells?
19. What are the heart sounds? When and how are these sounds produced?
20. What are the bones that make the pelvic girdle?
21. What would happen if HCl is not secreted in the stomach?
22. Old age people are sick often, Why?
23. Enumerate the uses of stethoscope?
24. Define cross breeding.

PART - III**III. Answer any Six Questions. Q.No.30 is compulsory****6 x 3 = 18**

25. List three features that characterise bony fishes.
26. Differentiate white adipose tissue from brown adipose tissue.
27. Write the economic importance of frog?
28. Define dead space?
29. What is vasa recta?
30. All muscles produce movement, but only skeletal muscle is responsible for locomotion.
 What is meant by this statement?
31. Classify the neuron based on the number of axon and dendrites?
32. Name the layers of adrenal cortex and mention their secretions.
33. What are the advantages of artificial insemination?

PART - IV**IV. Answer all the questions.****5 x 5 = 25**

34. Write the rules of Nomenclature. (OR)
 Define symmetry? And explain the different patterns of symmetry.
35. Write about the life cycle of earth worm (OR)
 Write the functions of Liver
36. What is smoking? and describe the effects of smoking? (OR)
 Describe the different phases of cardiac cycle?
37. Explain the formation of concentrated urine? (OR)
 Explain about Mechanism of muscle contraction?
38. Discuss the refractive errors of eye and how to correct.(OR)
 Explain the life cycle of bombyx mori.