

Time : 3.00 hrs

(2)
BIO -ZOOLOGY**BIOLOGY**

Marks : 35

Section - A

Choose the correct answer:-

8×1=8

- 1) Sea anemone belongs to phylum
 - a) Coelenterata
 - b) Protozoa
 - b) Echinodermata
 - d) Porifera
- 2) The pigment present in the muscle fibre to store oxygen is
 - a) Myosin
 - b) Myoglobin
 - c) Actin
 - d) Troponin
- 3) The end product of ornithine cycle is
 - a) Urea
 - b) Carbondioxide
 - c) Ammonia
 - d) Uric acid
- 4) _____ is the largest endocrine gland in the body
 - a) Pinealgland
 - b) Pituitary
 - c) Adrenal gland
 - d) Thyroid
- 5) Dub sound of heart is caused by
 - a) closure of semilunar valves
 - b) closure of atrioventricular valves
 - c) Opening of a triventricular valves
 - d) Opening of semilunar valves
- 6) Erythroblastosis foetalis is due to the destruction of
 - a) Foetus WBCs
 - b) Foetus RBCs
 - c) Foetus suffers from minamata
 - d) Foetus suffers from atheroscleors is
- 7) Which part of the human brain is concerned with the regulation of body temperatures
 - a) Medulla oblongata
 - b) Cerebrum
 - c) Hypothalamus
 - d) Cerebellum
- 8) The tidal volume of a normal person is
 - a) 500 ml
 - b) 800 ml
 - c) 1100 - 1200ml
 - d) 1200 ml

SECTION - B

II. ANSWER ANY FOUR QUESTIONS :

4×2=8

- 9) Differentiate white adipose tissue from brown adipose tissue.
- 10) How will you differentiate the male frog from female frog ?
- 11) What is called Heart Beat ?
- 12) What is the role of Charles Darwin in relation to concept of species ?
- 13) Comment on Homeostasis
- 14) Write the remarkable characteristics of diabetes insipidus ?

SECTION - C

III. ANSWER ANY THREE QUESTIONS : (Q.No.19 is compulsory)

3×3=9

- 15) What is known as cladogram ? Give an Example.
- 16) Bile juice contains no enzymes, yet it is important for digestion. Why ?
- 17) Draw a neat labelled diagram of L.S of human kidney.
- 18) Differentiate between Rod and cone cells.
- 19) How does adrenaline prepare our body suitable for sudden fight ?

SECTION - D

IV. ANSWER ALL THE QUESTIONS :

2×5=10

- 20) a) Write the characteristics of Arthropoda. (or)
- b) Describe the structure of human heart with the help of diagram.
- 21) a) Discuss the various techniques adopted in cattle breeding (or)
- b) Write about the mechanism of healing of bone fracture.
