

**Avinashilingam Institute for Home Science and higher Education for Women
(Deemed to be University) Coimbatore-641 043
Bachelor's Degree Examinations-November-2018
V Semester**

**Class : III UG
Major : Zoology**

**Time:3 Hrs
Max.Marks :100**

**15BZOC15-Animal Physiology
Part-A**

10×1=10

Choose the correct answer

1. In Coprozoic nutrition, the food materials are.
(a) Plants (b) Animals (c) Faecal matter (d) Decayed organic substances
2. Amylase is a.....enzyme.
(a) Glycolytic (b) Proteolytic (c) Lipolytic (d) Hydrolytic
3. Tracheal respiration is seen in
(a) Earthworm (b) Pila (c) Insects (d) Sea cucumber
4. Life span of RBC is.
(a) 100 days (b) 110 days (c) 120 days (d) 130 days
5. Pick out the ammonotelic animal from the following.
(a) Butterfly (b) Spider (c) Earthworm (d) Human
6. Motor neuron carries impulses to.
(a) Eye (b) Skin (c) Tongue (d) Muscle
7. Eye is a.
(a) Photoreceptor (b) Phonoreceptor (c) Thermoreceptor (d) Mechanoreceptor
8. Which among the following is muscle protein?
(a) Actin (b) Globin (c) Caesin (d) Albumin
9. Store house of spermatozoa until ejaculation is.
(a) Vas deference (b) Prostate gland (c) Epididymis (d) Urethra
10. Hormone helps in child birth is.
(a) Thyroxine (b) Prolactin (c) Vasopressin (d) Oxytocin

Part-B

5×6=30

Answer the following

Answer should not exceed 400 words or two pages

11. a. Give a brief account on types of nutrition.
(Or)
11. b. Comment on digestion that occurs in buccal cavity.

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12. a. Examine the different organs of respiration.
(Or)
12.b. Explain the structure of heart.
13. a. Make a survey of different types excretory organs of animals.
(Or)
13.b. Describe the structure of neuron with sketch.
14. a. Write an account on chemoreceptor of mammal.
(Or)
14. b. Explain the theories of muscle contraction.
15. a. Explain the structure of female reproductive system of man.
(Or)
15. b. Describe the biochemistry of bioluminescence.

Part-C

5×12=60

Answer the following

Answer should not exceed 800 words or 4 pages

16. a. Describe the digestion of proteins in mammal.
(Or)
16.b. Discuss the role of pancreas in Digestion.
17. a. Elucidate the transport of CO₂ mammals.
(Or)
17.b. Give an account on blood pressure and its measurements.
18. a. Elucidate the osmoregulatory mechanism in fishes.
(Or)
18. b. Examine the conduction of nerve impulse through nerve fibers.
19. a. Explain the structure of photoreceptor of humans.
(Or)
19.b. Write a detailed account on structure and physio chemical properties of skelated muscles.
20. a. Examine the hormones and their role in reproduction.
(Or)
20. b. Write a detailed account on adrenal gland and its hormones.
