



B.Sc. IV Semester Degree Examination, May - 2018

ZOOLOGY

Physiology, Biochemistry and Immunology

Paper - 4.1

Time : 3 Hours

Maximum Marks : 80

Instructions to Candidates:

- 1) Answer should be specific to the following.
- 2) Draw neat labelled diagram wherever necessary.

I. Answer any TEN of the following :

(10×2=20)

1. Peristalsis.
2. Respiratory pigments.
3. Ornithine cycle.
4. Neurotransmitter.
5. HCG
6. Enumerate fat soluble vitamins.
7. Sarcoplasmic reticulum.
8. Myogenic Heart.
9. Islet of langer hans.
10. Rickets.
11. Bursa fabricus.
12. Oxidative phosphorylation.



II. Answer any **FOUR** of the following :

(4×5=20)

13. Muscle proteins
14. Transport of O₂
15. Hormones of ovaries
16. Digestion of protein
17. T and B cells
18. Enzyme inhibitors

III. Answer any **FOUR** of the following.

(4×10=40)

19. Explain the process of Krebs cycle
 20. Classify enzymes according to IUB system.
 21. Explain physiology of urine formation.
 22. Composition of Human blood
 23. Explain the physiology of pituitary Hormones.
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