

Reg. No. :

Name :

Second Semester M.Sc. Degree Examination, May 2020

Zoology

ZO 221 : ADVANCED PHYSIOLOGY AND FUNCTIONAL ANATOMY

(2013 Admission to 2018 Admission)

Time : 3 Hours

Max. Marks : 75

SECTION – A

Write very brief notes on any **ten** of the following. Each questions carries **2** marks.

1. Gastrin.
2. Amniocentesis.
3. Bipolar neuron.
4. Lemodialysis.
5. Dopa.
6. Dope test.
7. Haemopoiesis.
8. AV node.
9. Alimentary canal hormones.
10. Stress hormones.

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11. Adenylate cyclase.
12. Glucose transporters.
13. Adrenal cortex hormones.
14. Auditory pathways.
15. Supracoracoideus muscle in bird

(10 × 2 = 20 Marks)

SECTION – B

Write short notes on any **six** of the following. Each questions carries **4** marks.

16. Muscle fatigue.
17. Osmoconformers.
18. Retina.
19. Taste receptors.
20. Lymphocytes.
21. Coronary circulation.
22. Control of blood pressure.
23. Respiratory center.
24. Hormonal change during lactation.
25. Concentration of urine.

(6 × 4 = 24 Marks)

SECTION – C

Write short essay on any **three** of the following. Each questions carries **7** marks.

26. Pulmonary respiration.
27. Neuronal mechanism of sound detection.
28. prenatal diagnostic tests.



29. Process of sodium and water regulation in the body.
30. Muscle contraction.

(3 × 7 = 21 Marks)

SECTION – D

Write an essay on any **one** of the following. Each questions carries **10** marks.

31. mechanism of action of hormones.
32. Ovarian and uterine cycles.

(1 × 10 = 10 Marks)

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