



Reg. No. :

Name :

Fifth Semester B.Sc. Degree Examination, December 2018
First Degree Programme under CBCSS
ZOOLOGY

Core Course – VIII

ZO 1543 : Physiology and Biological Chemistry
(2015 Admission Onwards)

Time : 3 Hours

Max. Marks : 80

Instruction : Draw diagrams wherever necessary.

I. Answer **all** questions in **one** or **two** sentences. **Each** question carries **one** mark.

- 1) Kwashiorkar
- 2) Hypocapnia
- 3) Heparin
- 4) Angiogram
- 5) Ultrafiltration
- 6) Latent period
- 7) Placenta
- 8) Co factors
- 9) Parturition

10) Neurotransmitters.

(10×1=10 Marks)

II. Answer **any eight** of the following. (Answers **not** to exceed **one** paragraph.
Each question carries **two** marks.

- 11) Glycolysis
- 12) EEG
- 13) Biological function of lipids
- 14) Labyrinthine disease



F – 2508

- 15) Kidney transplantation
- 16) Rigor Mortis
- 17) Epilepsy
- 18) Acidosis and alkalosis
- 19) Apnoea and dyspnoea
- 20) PEM
- 21) Extrinsic pathway
- 22) All or none law.

(8×2=16 Marks)

III. Answer **any six** of the following. (**Each** answer should **not** exceed **120** words. **Each** question carries **four** marks.

- 23) Carbon dioxide transport
- 24) Physiology of urine formation
- 25) Steroid hormones
- 26) Buffer systems
- 27) Respiratory pigments
- 28) Monosaccharides
- 29) Krebs cycle
- 30) Beta oxidation
- 31) Enzyme activation and inhibition.

(6×4=24 Marks)

IV. Answer **any two** of the following. **Each** question carries **fifteen** marks.

- 32) Explain the physiology and hormonal control of digestion with the help of diagrams.
- 33) Describe the physiological and biochemical events in muscle contraction.
- 34) Give an account on the classification of lipids.
- 35) Write an essay on protein metabolism and its hormonal control.

(2×15=30 Marks)
