



K23U 3457

Reg. No. :

Name :

III Semester B.Sc. Degree (CBCSS – OBE – Regular/Supplementary/
Improvement) Examination, November 2023
(2019 to 2022 Admissions)

COMPLEMENTARY ELECTIVE COURSE IN PHYSIOLOGY
3C03 PLY : Human Physiology – I

Time : 3 Hours

Max. Marks : 32

- I. Essay questions. (**Each** question carries **6** marks). Answer **any two**.
- 1) Give an account on neurophysiology of vision.
 - 2) Describe the regulatory mechanisms in urine formation.
 - 3) Write an essay on cardiovascular diseases.
 - 4) Discuss about humoral and cellular immunity.
- II. Short essay (**Each** question carries **3** marks). Answer **any two**.
- 5) Dialysis
 - 6) Neurotransmitters
 - 7) Saltatory propagation.
- III. Short answer questions. (**Each** question carries **2** marks). Answer **any six**.
- 8) Immunoglobulins
 - 9) Types of neurons
 - 10) Innate immunity
 - 11) Resting membrane potential
 - 12) Nephritis
 - 13) Balanced diet
 - 14) Juxtaglomerular apparatus
 - 15) Polycythemia.

P.T.O.



IV. Multiple Choice Questions. (Each question carries 0.5 marks). Answer all.

- 16) Shift in the slope of the oxygen dissociation curve to the right due to a high PCO_2 is called _____
- Haldane effect
 - Bohr effect
 - Herring Breuer effect
 - Oxygen toxicity
- 17) _____ is the pace maker of human heart.
- SA node
 - Purkinje fibers
 - AV node
 - Bundle of His
- 18) Nissl bodies of neuronal cell body corresponds to clusters of _____
- Golgi body
 - Lysosomes
 - Ribosomes
 - Mitochondria
- 19) Marasmus is a malnutrition disorder caused by inadequate intake of _____ and energy.
- Iodine
 - Calcium
 - Iron
 - Protein