



K20U 1857

Reg. No. :

Name :

**III Semester B.Sc. Degree CBCSS (OBE) – Regular
Examination, November 2020
(2019 Admission Only)
COMPLEMENTARY ELECTIVE COURSE IN PHYSIOLOGY
3C03 PLY : Human Physiology – I**

Time : 3 Hours

Max. Marks : 32

I. Essay questions. Answer **any two** :

(2×6=12)

- 1) Describe the neurohormonal control of digestion.
- 2) Write an essay on physiology of urine formation.
- 3) Explain the structure of heart and cardiac cycle.
- 4) Describe the process of nerve impulse transmission.

II. Short essay questions. Answer **any two** :

(2×3=6)

- 5) Write a brief note on dialysis.
- 6) Give a brief note on gastro intestinal hormones.
- 7) Describe the mechanism of cell mediated immunity.

III. Short answer questions. Answer **any six** :

(6×2=12)

- 8) Explain neurotransmitters.
- 9) What is dyspnoea ?
- 10) What is meant by homeostasis ?
- 11) What is humoral immunity ?
- 12) What is polycythemia ?
- 13) What are giant nerve fibers ?
- 14) What is ECG ? Mention the clinical significance.
- 15) What is atherosclerosis ?

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IV. Multiple choice questions. Answer **all** :

(4×0.5=2)

- 16) Secretin is produced by
a) Stomach b) Intestine c) Duodenum d) Liver
- 17) Haldane effect is operative in
a) Lungs b) Tissues c) Muscles d) Nerves
- 18) Coagulation of blood in vessels is prevented by
a) Heparin b) Prothrombin
c) Thromboplastin d) Basophil
- 19) Scurvy is caused due to deficiency of
a) Vitamin D b) Vitamin C c) Vitamin K d) Iron
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