



K22U 1587

Reg. No. :

Name :

IV Semester B.Sc. Degree CBCSS (OBE) Regular/Supplementary/
Improvement Examination, April 2022
(2019 Admission Onwards)

COMPLEMENTARY ELECTIVE COURSE IN PHYSIOLOGY
4C04PLY : Human Physiology – II

Time : 3 Hours

Max. Marks : 32

Instruction : Give illustrations and figures **wherever** necessary.

- I. Essay questions. Answer **any two** : (2×6=12)
- 1) Explain the role of thyroid and adrenal as endocrine organs.
 - 2) Explain the electrochemical changes responsible for muscle contraction.
 - 3) Give an account on spermatogenesis and oogenesis.
 - 4) Write about the first aids used for
 - 1) Burning
 - 2) Snake bite
 - 3) Drowning.
- II. Short essay questions. Answer **any two** : (2×3=6)
- 5) Comment on the physiological basis of aging.
 - 6) Explain the process of fertilization.
 - 7) Comment on different types of joints and give examples.
- III. Short answer questions. Answer **any six** : (6×2=12)
- 8) Mention the hormones secreted from the Islets of Langerhans and write their functions.
 - 9) Comment on the muscle twitch.
 - 10) Name any two STDs. Suggest their preventive measures.
 - 11) What is metastasis ?
 - 12) Name any four bones in the hind limbs.

P.T.O.

K22U 1587



- 13) What are the ill effects of alcoholism ?
- 14) Give an account on air-borne diseases.
- 15) What are the functions of placenta ?

IV. Multiple choice questions. **All questions compulsory :**

(4×0.5=2)

- 16) Accumulation of lactic acid leads to
 - a) Gout
 - b) Rigor mortis
 - c) Muscle fatigue
 - d) Tetanus
 - 17) Cells that nourish the sperm within the testes are
 - a) Beta cells
 - b) Interstitial cells
 - c) Primordial germ cells
 - d) Sertoli cells
 - 18) Structure formed by cleavage is
 - a) Gastrula
 - b) Blastocyst
 - c) Morula
 - d) Zygote
 - 19) Which among the following hormones is known as 'birth hormone' ?
 - a) Oxytocin
 - b) Prolactin
 - c) Estrogen
 - d) Progesterone
-