



K24U 0756

Reg. No. :

Name :

**IV Semester B.Sc. Degree (C.B.C.S.S. – O.B.E. – Regular/Supplementary/
Improvement) Examination, April 2024**

(2019 to 2022 Admissions)

Complementary Elective Course in Physiology

4C 04 PLY : 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 causative factors, symptoms, treatment and preventive measures of any two sexually transmitted diseases.
 - 2) Elaborate the structure of thyroid gland. Mention the functions and disorders associated with thyroid hormones.
 - 3) Describe the structure of muscle fibre. Illustrate simple muscle twitch.
 - 4) Explain the process of oogenesis. Illustrate structure of ovum.
- II. Short essay questions. Answer **any two** : **(2×3=6)**
- 5) Bring out the significance of first aid. Mention the first aid measures to taken in case of burns.
 - 6) Elaborate the structure of human sperm, using a suitable diagram.
 - 7) Elaborate the stages of human menstrual cycle.
- III. Short answer questions. Answer **any six** : **(6×2=12)**
- 8) Differentiate hinge joint and saddle joint.
 - 9) Suggest methods for de-addiction of an alcoholic.
 - 10) Enlist the physiological roles of oestrogen.
 - 11) State all or none law.

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- 12) Mention any four ill effects of smoking.
- 13) What are the physiological changes associated with ageing ?
- 14) Define carcinogens. Cite two examples.
- 15) What are the functions of placenta ?

IV. Multiple Choice Questions. Answer **all**.

(4×0.5=2)

- 16) The stiffening of muscles after death is known as
 - a) Myocardial infarction
 - b) Rigor mortis
 - c) Angina pectoris
 - d) Tetany
- 17) Which of the following is a bone of forelimb ?
 - a) Femur
 - b) Temporal
 - c) Tibia
 - d) Radius
- 18) Deficiency of which of the following hormones causes diabetes insipidus ?
 - a) Insulin
 - b) Glucagon
 - c) TSH
 - d) Vasopressin
- 19) Fertilization in human beings occur in
 - a) Uterus
 - b) Ovary
 - c) Oviduct
 - d) Cervix


