



K21U 1151

Reg. No. :

Name :

IV Semester B.Sc. Degree CBCSS (OBE) Regular Examination, April 2021
(2019 Admission Only)
Complementary Elective Course in Physiology
4C04 PLY : HUMAN PHYSIOLOGY – II

Time : 3 Hours

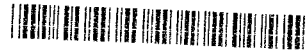
Max. Marks : 32

Instruction : Give illustrations and figures wherever necessary.

- I. Essay questions. Answer **any two**. (2×6=12)
- 1) Explain the role of thyroid and islets of Langerhans as endocrine organs.
 - 2) Explain the hormonal control of menstrual cycle.
 - 3) Give an account on cancer and carcinogens.
 - 4) Briefly explain the ultra structure of striated muscle fibre and the process of muscle contraction.
- II. Short essay questions. Answer **any two**. (2×3=6)
- 5) Comment on the communicable diseases.
 - 6) Explain the structure of ovary with the help of a diagram.
 - 7) Comment on drug addiction and its ill effects.
- III. Short answer questions. Answer **any six**. (6×2=12)
- 8) What is rigor mortis ?
 - 9) Comment on the process of parturition.
 - 10) Name different types of synovial joints and give examples.
 - 11) What are the differences between spermatogenesis and oogenesis ?
 - 12) Name the muscle proteins.
 - 13) What are STDs ? Comment on any two STDs.
 - 14) Give an account on artificial respiration.
 - 15) What is blastocyst ? Write on its structure.

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

(4×0.5=2)

- 16) Which among the following hormone is a mineralocorticoid ?
- a) Testosterone
 - b) Oestrogen
 - c) Cortisol
 - d) Aldosterone
- 17) Which among the following is a bone of hind limb ?
- a) Femur
 - b) Radius
 - c) Carpel
 - d) Humerus
- 18) Human Chorionic Gonadotrophins (HCG) are secreted from the
- a) Pituitary gland
 - b) Placenta
 - c) Hypothalamus
 - d) Adrenal medulla
- 19) Which among the following disease arises due to smoking ?
- a) Cirrhosis
 - b) Emphysema
 - c) Arthritis
 - d) Hepatitis
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