



K20U 1855

Reg. No. :

Name :

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

Time : 3 Hours

Max. Marks : 32

- I. Essay questions. Answer **any two**. (2×6=12)
- 1) Explain the different methods of CO₂ transport in human body.
 - 2) Briefly explain the menstrual cycle.
 - 3) Give an account on the origin and transmission of nerve impulse.
 - 4) Briefly explain the ultra structure of striated muscle fibre with the help of diagrams.
- II. Short essay questions. Answer **any two**. (2×3=6)
- 5) Comment on the disorders due to the malfunctioning of thyroid gland.
 - 6) Give an account on the process of urine formation.
 - 7) Comment on the pace maker and conducting system of heart.
- III. Short essay questions. Answer **any six**. (6×2=12)
- 8) Differentiate between micelles and chylomicrons.
 - 9) What is diabetes mellitus ?
 - 10) Name the chambers in the compound stomach of ruminants.
 - 11) What is Jacobson's organ ?
 - 12) Name two gastrointestinal hormones. Mention their functions.
 - 13) What is the difference between ureotelism and uricotelism ?
 - 14) Name the different types of respiratory pigments seen in animals.
 - 15) What is parthenogenesis ? Give example.

P.T.O.

IV. Multiple choice questions. **All questions compulsory.** (4×0.5=2)

16) Which among the following hormone is secreted from the corpus luteum ?

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| a) Testosterone | b) Oestrogen |
| c) Cortisol | d) Progesterone |

17) Excretory organ seen in prawn is

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|----------------------|----------------|
| a) Antennary gland | b) Nephridia |
| c) Malpighian tubule | d) Flame cells |

18) Pepsinogen is activated into pepsin by

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|----------------------|--------------------|
| a) Amylase | b) Chymotrypsin |
| c) Hydrochloric acid | d) Cholecystokinin |

19) Bipolar neurons are seen in

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|------------|---------------|
| a) Cochlea | b) Pancreas |
| c) Retina | d) Taste buds |
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