Reg. I	lo.:
Name	:

III Semester B.Sc. Degree (CBCSS – OBE – Regular/Supplementary/
Improvement) Examination, November 2023
(2019 to 2022 Admissions)

COMPLEMENTARY ELECTIVE COURSE IN ZOOLOGY
3C03 ZLG: Animal Physiology

Time: 3 Hours Max. Marks: 32

- I. Essay questions (Each question carries 6 marks.) Answer any two.
  - 1) Explain the mechanism of urine formation in man.
  - Write on the receptors for the perception of light, pressure, smell, sound and temperature.
  - 3) Give an account on the electrochemical changes during muscle contraction.
  - 4) Describe the Ornithine cycle.
- II. Short Essay (Each question carries 3 marks.) Answer any two.
  - 5) Give a brief account on respiratory organs in animals.
  - Classify kidneys based on origin.
  - 7) What is placenta? Justify its role as an endocrine gland.
- III. Short Answer questions (Each question carries 2 marks.) Answer any six.
  - 8) Chlorocruorin
  - 9) Name the four phases of menstrual cycle.
  - 10) Neurogenic heart
  - Glial cells
  - 12) ADH
  - 13) Sodium Potassium pump
  - 14) Hormones of pancreas
  - 15) Parthenogenesis.

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IV. M	ultip	le choice questions (Each que	estion ca	rries 0.5 mark.) Answer all.			
16)	W	Which of the following is a copper containing respiratory pigment?					
	A)	Hemerythrin	B)	Haemoglobin			
	C)	Haemocyanin	D)	Chlorocruorin			
17) Hypothyroidism at birth results in							
	A)	Cretinism	B)	Myxoedema			
	C)	Acromegaly	D)	Gigantism			
18)	18) Adrenal glands are located on the top of						
	A)	Liver	B)	Spleen			
	C)	Kidney	D)	Pancreas			
19)	19) Trachea in insects opens to outside by						
	A)	Foramen	B)	Spiracles			
	C)	Ostia	D)	Operculum			
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