



K20U 0487

Reg. No. :

Name :

**II Semester B.Sc. Degree (CBCSS (OBE)-Regular) Examination, April 2020
(2019 Admission)
CORE COURSE IN ZOOLOGY
2B02ZLG : Non-Chordata – II**

Time : 3 Hours

Max. Marks : 40

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

- I. Essay questions (**Each** question carries **8** marks). Answer **any 2**.
 - 1) Write an essay on water vascular system in Star fish with a suitable sketch.
 - 2) Enlist the salient features of Phylum Annelida. Classify the phylum down to classes with salient features and examples.
 - 3) With a neat labelled sketch describe the nervous system of *Penaeus*.
 - 4) Outline the strategies of Mussel farming and Pearl Culture.
- II. Short essay questions (**Each** question carries **4** marks). Answer **any 2**.
 - 5) What is heteronereis ? Enlist the significant salient features.
 - 6) List the salient features of Phoronida.
 - 7) Discuss the life cycle and damage induced by *Leptocorisa acuta*. Add a note on its control measures.
- III. Short answer questions (**Each** question carries **2** marks). Answer **any 6**.
 - 8) Explain sexual dimorphism in *Bonellia*.
 - 9) What are statocysts ? Mention the function.
 - 10) What is ink sac ? Cite its function.

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- 11) Define Evisceration. Give an example of an eviscerating organism.
- 12) What are sinuses and lacunae ?
- 13) Osphradium.
- 14) Write the names of phylum and class to which the following organisms belong to : (a) Perna (b) Penaeus.
- 15) List any 2 adaptations of Chiton.

IV. Multiple choice questions (**Each** question carries **0.5** marks). Answer **all**.

- 16) Bugula belongs to Phylum :

a) Phoronida	b) Gastrotricha
c) <u>Ectoprocta</u>	d) Echiurida
 - 17) The larva of Limulus

a) Trocophore	b) <u>Trilobite</u>
c) Bipinnaria	d) Auricularia
 - 18) Vector of Leishmania

a) Sand fly	b) House fly
c) Culex	d) Tsetse fly
 - 19) Smallest appendage of Prawn

a) 1 st maxilla	b) 2 nd maxilla
c) 3 rd maxilla	d) 1 st maxilliped
 - 20) The larva of Balanoglossus

a) Trocophore	b) Trilobite
c) Tornaria	d) Auricularia
 - 21) Wingless insect

a) Mantis	b) Tabanus
c) Lepisma	d) Stick insect
 - 22) Which of the following is not an arachnid ?

a) Scorpion	b) Spider
c) Ticks	d) King crab
 - 23) Genus of hermit crab

a) Sacculina	b) Eupagurus
c) Palaemon	d) Limulus
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