



SE – 183

II Semester B.Sc. Examination, September 2020
(CBCS) (Repeaters) (Prior to 2018-19/2014-15 and Onwards)
ZOOLOGY – II
Non-Chordata

Time : 3 Hours

Max. Marks : 70

Instructions : 1) Draw diagram *wherever necessary*.
2) Answer completely either in **English** or in **Kannada**.

PART – A

I. Answer **any five** of the following :

(5×3=15)

- 1) Mention the annelidan characters of peripatus.
- 2) Sketch and label Nauplius larva.
- 3) Write a note on tactile organs.
- 4) Mention the function of
 - a) Ctenidium
 - b) Mantle
 - c) Hepatopancreas
- 5) Comment on following feature of echinodermata.
 - a) autotomy
 - b) body symmetry.
- 6) Mention any three honeybee products.
- 7) Name the three coelomic cavities of balanoglossus.

PART – B

II. Answer **any five** of the following :

(5×5=25)

- 1) Explain the structure of abdominal appendages of prawn. Add a note on their function.
- 2) What is holometabolous metamorphosis ? Explain with suitable example.
- 3) Explain the structure of compound eye of arthropoda with neat labelled diagram.
- 4) Describe the circulatory system of Unio, with a neat labelled sketch.

P.T.O.



- 5) Enumerate any five salient features of phylum echinodermata.
- 6) Write a note on the systematic position of hemichordata.
- 7) Briefly explain the steps involved in pearl culture.

PART – C

III. Answer **any three** of the following :

(3×10=30)

- 1) Describe the externals of Prawn, with a neat labelled diagram.
- 2) Give an account on respiratory organs in arthropoda.
- 3) List the general characters of phylum mollusca, classify upto classes with an example each.
- 4) Draw a neat labelled diagram and describe the water vascular system of star fish.
- 5) Give an account of silkworm rearing and management practices.
- 6) Write a short note on :
 - a) Tornaria larva
 - b) By products of silk industry.

SMSCW LIBRARY