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SB—92—2022

FACULTY OF SCIENCE AND TECHNOLOGY

B.Sc. (First Year) (First Semester) EXAMINATION

MAY/JUNE, 2022

(New Course)

ZOOLOGY

Paper-I

(Biodiversity of Invertebrates)

(Thursday, 16-06-2022)

Time : 10.00 a.m. to 12.30 p.m.

Time— 2½ Hours

Maximum Marks—40

N.B. :— (i) Attempt *all* questions.

(ii) Illustrate your answers with suitably labelled diagram wherever necessary.

1. Describe the asexual life-cycle of *Plasmodium vivax* and its pathogenicity.

15

Or

Write notes on :

(a) Morphology of *Ascaris lumbricoides*.

8

(b) Polymorphism in Hydrozoa.

7

2. Explain in detail digestive system of cockroaches.

15

Or

Write notes on :

(a) General characters and classification of Mollusca.

8

(b) Larval forms in Echinodermata.

7

P.T.O.

3. Write short notes on (any two) :

10

- (a) Canal System in Sycon
- (b) Structure of *Taenia solium*
- (c) Metamerism in Annelida
- (d) Vermicomposting.