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**VA—55—2024**

**FACULTY OF SCIENCE**

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

**NOVEMBER/DECEMBER, 2024**

**(New Pattern)**

**ZOOLOGY**

**(Biodiversity of Invertebrates-I)**

**(Tuesday, 10-12-2024)**

**Time : 10.00 a.m. to 12.00 noon**

*Time—2 Hours*

*Maximum Marks—40*

**N.B. :-** (i) Attempt *all* questions.

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

1. Explain in detail an account on asexual life cycle, pathogenicity and control measures of *Plasmodium vivax*. 15

*Or*

(a) Describe pathogenicity and control measures of *Taenia solium*. 8

(b) Explain general characters of Nematelminthes. 7

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2. Explain in detail an account on Nervous system of cockroach. 15

*Or*

(a) Describe general characters of Mollusca. 8

(b) Describe external morphology of Starfish. 7

3. Write notes on (any *two*) : 10

(a) Economic importance of Porifera

(b) Polymorphism in Hydrozoa

(c) Metamorphosis in insects

(d) Affinities in Hemichordata.

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