

Roll No.

21221

**B. Sc. (Pass Course) 2nd Semester
(Regular/Re-appear/ Improvement)
Examination – June, 2023**

**ZOOLOGY-I (Life & Diversity from Annelid a To
Hemichordate)**

Paper : P-2.1

Time : Three hours]

[Maximum Marks : 40

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note : Attempt *five* questions, selecting *one* from each Unit. Question No. 1 is *compulsory*. All questions carry equal marks.

1. Answer the following questions in brief not exceeding 20 words : 1 × 8 = 8

~~(a)~~ Protandrous condition

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~~(b)~~ Metameric segmentation

~~(c)~~ Name any *two* insect ectoparasite

~~(d)~~ Name the excretory organ in Cockroach

(e) Role of ctenidium in *Pila*

~~(f)~~ Role of tube feet in star fish

~~(g)~~ Bilateral symmetry

(h) Name the connecting link between Non-chordates and Chordates.

UNIT – I

2. Discuss the blood vascular system in First Thirteen Segments of body in Earthworm. 8

(2)

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3. Answer the following :

(a) Septal Nephridia. 4

(b) Labelled diagram of Nervous system in earthworm. 4

UNIT - II

4. Describe the digestive system in Cockroach with suitable illustration. 8

5. Discuss the female reproductive system in Cockroach with suitable diagram. 8

UNIT - III

6. Write notes on :

(a) Pallial complex 4

(b) Excretory system in *Pila* 4

7. Describe the male reproductive system in *Pila* with suitable diagram. 8

UNIT - IV

8. Discuss the water vascular system in *Asterias* with illustrations. 8

9. Discuss various larval forms in Echinodermata. 8

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