

THE OPEN UNIVERSITY OF SRI LANKA
FACULTY OF NATURAL SCIENCES
DEPARTMENT OF ZOOLOGY
B.Sc. DEGREE PROGRAMME -2023/ 2024
ANIMAL LIFE & DIVERSITY-ZYU3500
FINAL EXAMINATION



Duration -3 hours

INDEX NO

Answer Box

Q. Nos	a	b	c	d
1.1				
1.2				
1.3				
1.4				
1.5				
1.6				
1.7				
1.8				
1.9				
1.10				

Q. Nos	a	b	c	d
1.11				
1.12				
1.13				
1.14				
1.15				
1.16				
1.17				
1.18				
1.19				
1.20				

PART - B

- Answer any four (04) questions.
 - Wherever necessary illustrate your answers with clearly labeled drawings.
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- 2 Describe the structural and functional diversity of parasitic protistans
(100 marks)
- 3 (a) Explain the basic features of animal organization (40 marks)
(b) Compare the specific modifications of these basic features observed in
Phylum-Cnidaria, Nematoda and Annelida. (60 marks)
4. "Arthropods are highly successful in terrestrial environment due to joint nature of
their cuticle". Giving examples justify this statement (100 marks)
5. (a). List the characteristic features of Order-Primata (40 marks)
(b) Briefly discuss the diversity seen among Anthropoids (60 marks)
6. (a) Discuss the basic body plan of a typical Gastropod (40 marks)
(b) Explain how the Class-Cephalopoda is deviated from this typical plan
(60 marks)
7. Write short notes on any **three (03)** of the following.
(a) Annelid features in Arthropods
(b) Trematode integument
(c) Placenta
(d) Bipedalism

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