

B.Sc. ZOOLOGY SESSIONAL EXAMINATION, 2023
PAPER NAME: NON-CHORDATES II
PAPER CODE: ZOO-HC-2016

MARKS=30

TIME=1 hr

- Q1. Fill in the blanks (any two): 1x2=2
- a.) Coelom lies between the outer _____ and inner digestive tube.
 - b.) Arthropods have _____ skeleton.
 - c.) In molluscs, the space between the dorsal body wall and the underlying epidermis is known as _____.
- Q2. Answer the following (any two): 2x2=4
- a.) What is metamerism?
 - b.) Mention the various respiratory organs of Arthropods.
 - c.) What do you mean by the term 'Missing Link'?
- Q3. Distinguish between (any two): 2x2=4
- a.) Tortion and Detortion
 - b.) Booklung and Trachea
 - c.) Simple eyes and Compound eyes
 - d.) Protonephridia and Metanephridia
- Q4. Discuss in brief the segmentation in Annelids. 10
- OR
- Write about the evolutionary significance of Onychophora. 10
- Q5. State the general characters of Arthropoda. Give a brief classification upto class. 5+5= 10
- OR
- What is a Trocophore larva? Describe its structure and evolutionary significance. 2+4+4= 10