



**NAVRACHANA  
UNIVERSITY**

*UGC Recognized University*

**School:** School of Science  
**Program/s:** B.Sc. Chemistry  
**Year:** 1<sup>st</sup> **Semester:** 1<sup>st</sup>  
**Examination:** End Semester Examination  
**Examination year:** December 2022

**Course Code:** ZO103 **Course Name:** Classification Of Animals- I  
**Date:** 06/12/2022  
**Time:** 08:30 am to 10:30 am

**Total Marks:** 40  
**Total Pages:** 2

### Instructions

- Write each answer on a new page.
- Draw a neat and labelled diagram as when necessary.
- \* COs = Course Outcome mapping, # BTL = Bloom's Taxonomy Level mapping

Q. No.	Details	Marks	COs <sup>*</sup>	BTL <sup>#</sup>
Q.1	<p><b>Choose the correct Option:</b></p> <p>1. An important characteristic feature, which is present only in the phylum Coelenterata is</p> <p>A) Polymorphism    B) Nematocyst    C) Hermaphroditism    D) Flame cells</p> <p>2. Tube feet are found in</p> <p>A) Star fish    B) Cuttle fish    C) Jelly fish    D) Cray fish</p> <p>3. Water canal system is found in which phylum?</p> <p>A) Protozoa    B) Porifera    C) Platyhelminthes    D) Nematodes</p> <p>4. Which substance is secreted around the foreign object to form a pearl in Molluscs?</p> <p>A) Nematocyst    B) Nacre    C) Resin    D) Chitin</p> <p>5. Jointed appendage is a characteristic feature of which phylum?</p> <p>A) Annelids    B) Echinodermata    C) Arthropods    D) Pisces</p> <p>6. Which of the following organism has 4 chambered heart?</p> <p>A) Sting ray    B) Octopus    C) Python    D) Crocodile</p> <p>7. Which of the organism shows closed circulatory system?</p> <p>A) Cockroach    B) Leech    C) Pila    D) <i>Ascaris</i></p> <p>8. Gizzard is present in which of the following class?</p> <p>A) Echinodermata    B) Aves    C) Mammals    D) Amphibians</p> <p>9. Mixed blood circulation is observed in which class?</p>	10	CO1, CO2	BT1, BT2

	A) Echinodermata B) Aves C) Mammals D) Amphibians  10. Grade of organization of <i>Amoeba</i> is  A) Protoplasmic B) Multicellular C) Tissue grade D) None of the above			
Q.2	<b>Answer the following question in short: (Any 4)</b> 1. List out the embryonic membrane present in chordates along with their functions. 2. List the characteristic features of Arthropods. 3. What is Enterocoleom and Schizocoleom? Give one example of each. 4. Differentiate between Open and Closed circulatory system. 5. What is torsion and coiling in Molluse?	8	CO1, CO2	BT1, BT2
Q.3	<b>Answer the following questions in brief: (Any 4)</b> 1. Differentiate between Platyhelminthes and Nematodes. 2. Draw a neat labelled diagram of Syconoid type of canal system. 3. Give the Characteristic features of Amphibians and Reptiles. 4. Explain how pearls are formed in Pearl Oyster. 5. List the characteristic features of chordates.	12	CO1, CO2	BT1, BT2
Q.4	<b>Answer the following questions in detail: (Any 2)</b> 1. Describe the structure of <i>Euglena</i> with the help of neat and labelled diagram. 2. Give an account on types of migration observed in birds. 3. Draw the Longitudinal section of <i>Hydra</i> .	10	CO1, CO2	BT1, BT2

\*\*\*\*\*End of question paper\*\*\*\*\*