

PAPER-ZOOA-CC2-3-TH

THEORY-FM-25

Answer question 1 and any four from rest.

- Q.1. Answer any five: 5 x 1
- a. Define – Schizocoelom
 - b. What is the role of spiracle ?
 - c. Write two salient features of Onychophora .
 - d. Why “stone canal” is named so ?
 - e. Define – Chiastoneury . Give example .
 - f. Define – Schizocoelom .
 - g. Define – strobilization . Give example .
 - h. Define – Trophallaxis .
- Q.2. a. Write a comment on cyclomerism theory . 2
- b. In which class Pheretima sp. does belong and why ? 1 + 2
- Q.3. a. Write the location and role of Tideman’s body in WV system of echinoderm . 2
- b. Briefly explain the pseudo metamerism theory . 3
- Q.4. a. Do you consider that peripatus is a living fossil ? justify . 1 + 2
- b. Write two salient features of nasute soldier in termite colony and mention it’s role . 2
- Q.5. a. What are the advantages of torsion of nervous system in gastropoda? 2
- b. Differentiate between WV system of Echinoidea and Crinoidea . What do you mean by atrium ?
Mention it’s role . 2 + 1
- Q.6.a. Write the zoological significance of peripatus . 2
- b. Differentiate between pseudo metamerism and true metamerism .
- Why prawn is considered as an arthropoda ? 2 + 1
- Q.7. a. Differentiate in between polychaeta and oligochaeta . 2
- b. Differentiate in between bivalvia and cephalopoda . Write the role of polian vesicle . 2+ 1
- Q.8. a. Write a comment on fungal symbiosis in termite colony . 3
- b. What are the advantages of torsion of nervous system in gastropoda ? 2

PAPER-ZOOA-CC2-3-P

PRACTICAL- FM-15

All questions are compulsory

1. Identify the following pictures with reasons and systematic position. (1+2+2) x 2

A.



B.



2. Draw a labelled diagram of mouth parts of *Periplaneta*. 2+3

PAPER-ZOOA-CC2-3-IA

INTERNAL ASSESMENT-FM-10

Choose the right option

1. *Loligo sp.* belong in phylum –
a. Mollusca b. Echinoderm c. Cnidaria d. Annelida
2. Holothuroidea type of WV system is found in –
a. Sea-urchin b. Sea-star c. Sea-cucumber d. Brittle star
3. “ Trachein “ protein is present in –
a. Spiracle b. trachea c. Tracheoles d. None
4. *Aplysia sp.* belong in the class –
a. Gastropoda b. Bivalvia c. Scaphopoda d. Cephalopoda
5. Water ring is also called –
a. Radial canal b. Ring canal c. Stone canal d. Podial canal
6. Function of polian vesicle is related with –
a. Filtration b. Locomotion c. Feeding d. Regulation the buoyancy
7. An example under class polychaeta is –
a. *Aphrodite sp.* b. *Hirudo sp.* c. *Sabella sp.* d. *Tubifex sp.*
8. Respiratory pigment Hemocyanin contains –
a. Copper b. Zinc c. Magnesium d. Iron
9. Which of the following is not true about Annelida?
a. Ventral nerve cord b. Closed circulatory system
c. Segmentation d. Pseudocoelom
10. Where does true coelom present in the body?
a. between mesoderm and endoderm (body wall)
b. between body wall and ectoderm
c. mesoderm and ectoderm
d. ectoderm and endoderm