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ZOO 101

Structural & Functional Anatomy of Invertebrates (New) (151501)

P. Pages : 2

Time : Three Hours

Max. Marks : 60

Instructions to Candidates :

1. Do not write anything on question paper except Seat No.
2. Graph or diagram should be drawn with the black ink pen being used for writing paper or black HB pencil.
3. Students should note, no supplement will be provided.
4. Figures to the right indicate full marks.
5. draw neat labelled diagrams whenever necessary.

1. a) Select and write the appropriate answer from the given options.

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- i) Protozoan lack _____ locomotory organ.
 - a) Parapodia
 - b) Pseudopodia
 - c) Flagella
 - d) Cilia
- ii) _____ is respiratory organ in Arachnida.
 - a) Gill
 - b) Book lung
 - c) Spiracle
 - d) None of these
- iii) Which Zooid generally Motile.
 - a) Medusa
 - b) Polyp
 - c) Coral
 - d) None of these
- iv) _____ is a common freshwater sponge.
 - a) Spongilla
 - b) Euplectella
 - c) Cliona
 - d) Grantia
- v) _____ larval form of Echinodermata.
 - a) Sporocyst
 - b) Bipinnaria
 - c) Amphiblastula
 - d) Coeloblastula
- vi) Porpita is colonial _____.
 - a) Coelenterate
 - b) Insect
 - c) Sponge
 - d) Protozoan

b) Define / Explain the following.

- i) Haemocyanin.
- ii) Coelom.
- iii) Phylogeny.

2. Attempt **any two** of the following. 12
- Write note on Cilia and flagella are locomotory organelles in protozoa.
 - Colonial life in coelenterates.
 - Explain Respiratory pigments in Invertebrates.
3. Answer the following **any two**. 12
- Describe Nervous system in Mollusca.
 - Homology and Analogy in organisation.
 - Explain organs of respiration in Arthropoda.
4. Attempt **any two** of the following. 12
- Diversity of Invertebrates.
 - Describe larval forms of crustacea.
 - Significance of larval forms.
5. Write short note on **any two**. 12
- Osmoregulation in Invertebrates.
 - Filter feeding in Molluscs.
 - Social life in Honey bee.

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