

7/12

Sl. No. 07 R.P. 8775 Set B

Unique Paper Code : 223353

Name of the Paper : Biodiversity II Animals

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Name of the Course : B.Sc Prog. Life Science

Semester : III

Duration : 3 Hours

Maximum Marks : 75

**Instructions for Candidates.**

Attempt any five question in all. Question No. 1 is compulsory. Draw the suitable diagram wherever needed.

**1. (a) Define:**

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- (i) Metamerism
- (ii) Pseudocoel
- (iii) Ecdysis
- (iv) Amniotes
- (v) Cephalisation

**(b) Differentiate between:**

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- (i) Primary host and secondary host
- (ii) Diploblastic and Triploblastic animals
- (iii) Polyp and medusa
- (iv) Gravid and Mature Proglottids
- (v) Schizogony and sporogony

**(c) Give exact location of the following:**

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- (i) Operculum
- (ii) Rostellum
- (iii) Osculum
- (iv) Pneumatic bone



(d) Match the following

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- |                       |                    |
|-----------------------|--------------------|
| (i) Botryoidal Tissue | <i>Asterias</i>    |
| (ii) Radula           | <i>Hirudinaria</i> |
| (iii) Pedicellaria    | <i>Pheritima</i>   |
| (iv) Setae            | <i>Pila</i>        |

2. (a) Explain Polymorphism in Coelenterates.

(b) Give an account of social life in insects with special reference to honeybees. 6,6

3. (a) Describe with the neat labeled diagram, water vascular system of starfish.

(b) With the help of diagram, explain life cycle of *Plasmodium*. 6,6

4. (a) Write a short note on parasitic adaptation of Aschelminthes.

(b) Describemigration in fishes. 6,6

5. Explain in details the different types of canal system in porifera. 12

6. (a).Explain life cycle of *Taenia solium* with the help of labeled suitable diagram.

(b) Explain the process of pearl formation in mollusca. 6,6

7. Write short notes on any three:

(i) Salient features of *Cephalochordates*.

(ii) Parasitic adaptation in Nematelminthes.

(iii) Metamerism

(iv)General characters of Amphibia 4,4,4