

QP CODE : 20170

(2 1/2 Hours)

Marks : 75

- NB : (1) **All** questions are **compulsory** and carry **equal** marks.
 (2) **Figures** to the **right** indicate full **marks**.
 (3) **Draw** neat labelled **diagrams** wherever **necessary**.
 (4) Answer the questions in order.

1. Describe the following :

(a) Types of symmetry.

OR

(a) Types of segmentation.

(b) Cephalization, it's significance and advantages.

OR

(b) Types of coelom.

2. Explain the following :

(a) Asexual reproduction in protozoa.

OR

(a) Any two types of canal systems.

(b) Life history of *Ascaris lumbricoides*.**OR**

(b) General characters and classification of platyhelminthes.

3. Describe the following :

(a) General characters and classification of annelida.

OR

(a) Metamorphosis in class insecta.

(b) General characters and classification of mollusca.

OR

(b) Water vascular system in Echinodermata.

4. Give an account of the following :

(a) External characters of *Sepia*.**OR**(a) Digestive system of *Sepia*.

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(b) Eyes and statocyst in **Sepia**.

OR

(b) Male reproductive system in **Sepia**.

8

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5. Write short notes on :

(a) Tagmatization.

OR

(a) Formation of germ layers.

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(b) Amoeboid locomotion.

OR

(b) Pathogenecity and control measures of **Plasmodium**.

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(c) General characters of hemichordata.

OR

(c) Zoea larva.

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(d) Economic importance of **Sepia**.

OR

(d) Locomotion in **Sepia**.

3

3