QP CODE : 20170

($2\frac{1}{2}$ 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. **7**

OR

(a) Types of segmentation. **7**

(b) Cephalization, it's significance and advantages. **8**

OR

(b) Types of coelom. **8**

2. Explain the following :

(a) Asexual reproduction in protozoa. **7**

OR

(a) Any two types of canal systems. **7**

(b) Life history of **Ascaris lumbricoides.** **8**

OR

(b) General characters and classification of platyhelminthes. **8**

3. Describe the following :

(a) General characters and classification of annelida. **7**

OR

(a) Metamorphosis in class insecta. **7**

(b) General characters and classification of mollusca. **8**

OR

(b) Water vascular system in Echinodermata. **8**

4. Give an account of the following :

(a) External characters of **Sepia.** **7**

OR

(a) Digestive system of **Sepia.** **7**

[TURN OVER

(b) Eyes and statocyst in **Sepia.** **8**

OR

(b) Male reproductive system in **Sepia.** **8**

5. Write short notes on :

(a) Tagmatization. **4**

OR

(a) Formation of germ layers. **4**

(b) Amoeboid locomotion. **4**

OR

(b) Pathogenecity and control measures of **Plasmodium**. **4**

(c) General characters of hemichordata. **4**

OR

(c) Zoea larva. **4**

(d) Economic importance of **Sepia**. **3**

OR

(d) Locomotion in **Sepia**. **3**
