

# 0801E298-3

## ENGLISH VERSION

- Instructions : (1) Answer any three out of eight questions.  
(2) Ninth question is compulsory.

### SECTION A

- |   |       |                                                            |   |
|---|-------|------------------------------------------------------------|---|
| 1 | ( a ) | Explain : concept of biotic community.                     | 7 |
|   | ( b ) | Explain : Community stratification in terrestrial habitat. | 7 |
| 2 | ( a ) | Describe : Hydrosore succession.                           | 7 |
|   | ( b ) | Describe : Types of ecological succession.                 | 7 |
| 3 | ( a ) | Describe : Excretory organs in scorpion.                   | 7 |
|   | ( b ) | Describe : Sycon and Leucon type canal system.             | 7 |
| 4 | ( a ) | Describe : Male reproductive system of scorpion.           | 7 |
|   | ( b ) | Describe : Nephridia and coelomoduct in annelidia.         | 7 |
| 5 | ( a ) | Write note : Circulating system of sepia.                  | 7 |
|   | ( b ) | Write note : Torsion in Mollusca.                          | 7 |
| 6 | ( a ) | Explain : Zoea and Megalopa Larva.                         | 7 |
|   | ( b ) | Explain digestive system of sepia.                         | 7 |
| 7 | ( a ) | Explain : Skin of Starfish.                                | 7 |
|   | ( b ) | Explain : Bipinnaria & Echinopleuteus Larva.               | 7 |
| 8 | ( a ) | Describe : External features of starfish.                  | 7 |
|   | ( b ) | Describe : Bonellia.                                       | 7 |

### SECTION B

- |    |                                                 |    |
|----|-------------------------------------------------|----|
| 9  | Write in short (any eight) :                    | 08 |
| 1  | What is ecological succession?                  |    |
| 2  | What is climax community?                       |    |
| 3  | What is xerosere?                               |    |
| 4  | What is Nudation.                               |    |
| 5  | What is Aphodus.                                |    |
| 6  | Write water current in sycon type canal system. |    |
| 7  | Write the body division of scorpion.            |    |
| 8  | Write the excretory organ of scorpion.          |    |
| 9  | What is seafoam.                                |    |
| 10 | Write function of salivary gland in sepia.      |    |
| 11 | What is Torsion?                                |    |
| 12 | Give two examples of swimming Gastropods.       |    |
| 13 | What is pedicle?                                |    |
| 14 | Give example of Echinozoa.                      |    |
| 15 | Define : Bivalvia and Trivalvia.                |    |
| 16 | Define : Lophophore.                            |    |
-