

Q.P. Code :22142

[Time: Three Hours]

[Marks:75]

Please check whether you have got the right question paper.

- N.B:
1. All questions are compulsory.
 2. Figures to the right indicate full marks.
 3. Draw neat and labelled diagram wherever necessary.

Q.1 Classify Phylum Arthropoda with suitable examples and give its economic importance. **15**

OR

Describe the following:-

a) Major features of Polychaeta with suitable examples. **08**

b) Characteristic features of Ctenophora with appropriate examples. **07**

Q.2 Describe the salient features of Mollusca with examples. **15**

OR

Describe the following:-

a) Specialised characters of Cyclostomes. **08**

b) Pedicellariae in Asteroidea **07**

Q.3 Describe in detail about extinct reptiles. **15**

OR

Describe the following:-

a) Plantigrade and digitigrade walking **08**

b) Crossopterygians **07**

Q.4 Describe in detail embryonic development of vertebra. **15**

OR

Describe the following:-

a) Neuro cranium **08**

b) Structure of thoracic vertebra of pigeon. **07**

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Q.5 Write short notes on (any three):-

- a) Phyllosoma Larva **05**
- b) Thoracic vertebra of rabbit **05**
- c) Caudal vertebra of shark **05**
- d) Ornithorhynchus **05**

OR

- a) Goals of classification system **05**
- b) Class sporozoa **05**
- c) Characteristic of tetrapods **05**
- d) centrum **05**
