



JAX-003-018301

Seat No. _____

M. Sc. (Zoology) (Sem. III) (CBCS) Examination

December - 2019

Z - 313 : Structure & Functions of Invertebrates
(Old Course)

Faculty Code : 003

Subject Code : 018301

Time : $2\frac{1}{2}$ Hours]

[Total Marks : 70

- 1 Answer the following very briefly : (Any **Seven**) **2×7=14**
- (a) Name few minor phyla.
 - (b) What is larval forms?
 - (c) Name four parasitic invertebrates.
 - (d) Write names of few useful insects.
 - (e) Define 'Pest'.
 - (f) Name two respiratory pigments.
 - (g) Define 'Classification'.
 - (h) Name four terrestrial invertebrates.
 - (i) Name major invertebrate phyla.
 - (j) Write scientific names of few invertebrates.
- 2 Answer of the following : (Any **Two**) **7×2=14**
- (a) Write a note on the larval forms of any two major free living invertebrates.
 - (b) Describe the larval forms of few major parasitic invertebrates.
 - (c) Write a note on the handling methods for invertebrates.
- 3 Answer the following : **7×2=14**
- (a) Write a note on the patterns of feeding and digestion in invertebrates.
 - (b) Classify Minor Phyla and describe their general characteristics.

OR

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- 3** Answer the following : **7×2=14**
- (a) Write a short note on the modes of locomotion found in invertebrates.
 - (b) Write a short note on the excretory organs of the invertebrates.
- 4** Answer the following : **7×2=14**
- (a) Describe various respiratory mechanisms observed in the invertebrates.
 - (b) Write a brief note on the pest control and management.
- 5** Answer the following : (Any **Two**) **7×2=14**
- (a) Briefly describe the evolutionary significance of larval forms.
 - (b) Write a note on the useful insects.
 - (c) Describe major preservation methods for preserving invertebrates.
 - (d) Write a short note on agricultural pests and their pathogenicity.
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