



বিদ্যাসাগর বিশ্ববিদ্যালয়
VIDYASAGAR UNIVERSITY
Question Paper

B.Sc. Honours Examinations 2022

(Under CBCS Pattern)

Semester - VI

Subject : ZOOLOGY

Paper : DSE 4-T

Full Marks : 40

Time : 2 Hours

Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicate full marks.

Biology of Insects

1. Answer any *four* from the following questions : 5×4=20
- (a) Mention four important external features of insect. 5
- (b) Write down the identifying characters of order Hymenoptera with two examples. 5
- (c) Write down the significance of compound eye in insects.
- (d) Highlight the importance of antennae in insects. State the difference between arristate antennae and moniliform antennae with suitable example. 1+3
- (e) What is aerolium? State its function. 2+2
- (f) State the difference between carrier & vector with examples. 5

2. Answer any *two* from the following questions : 10×2=20

- (a) Write down the neuroendocrine control of metamorphosis. 10
- (b) Mention about two important insect pests of paddy. Write the nature of damage and control measures of any one of these insect pests. 2+(4+4)
- (c) Write down the composition of haemolymph. Add a note on the process of blood circulation. 5+5
- (d) Write about the structure of neuron. Add a note on classification of neurons based on their structure. 5+5
-

Vidyasagar University

Or,
Paper - DSE 4-T
Wild Life Conservation and Management

Full Marks : 40

Time : 2 Hours

1. Answer any *four* from the following questions : 5×4=20
- (a) Mention the importance of wild life conservation.
 - (b) Enlist different parameters which are required for the management of wildlife.
 - (c) What do you mean by in-situ and ex-situ conservation with examples?
 - (d) State the principles of Ecotourism.
 - (e) What are the causes of human-wildlife conflicts?
 - (f) Briefly highlight different strategies for Tiger conservation.
2. Answer any *two* from the following questions : 10×2=20
- (a) (i) What is habitat analysis?
 - (ii) Describe in brief any two standard evaluation procedures of wildlife. 2+8
 - (b) Distinguish between Sanctuary, National Park and Biosphere Reserve with examples. 10
 - (c) (i) Enlist different modes of aquatic pollution.
 - (ii) Discuss in brief the concept of climax persistence. 5+5
 - (d) (i) Mention the significance of Ecological corridor in conservation biology.
 - (ii) Describe in brief the methods of animal reintroduction. 4+6
-