



2018 VI 08

1430

Seat No. :

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Time : 2 Hours

**BIOLOGY**  
**(Vocational)**

**Subject Code**

V	2	9	2
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Total No. of Questions : 5

(Printed Pages : 2)

Maximum Marks : 50

- INSTRUCTIONS :**
- i) **All** questions are **compulsory**.
  - ii) Write the number of the question and sub-question clearly.
  - iii) Answer **each** question on a **fresh** page.
  - iv) Draw neat diagrams **wherever** specified in lead pencil only.
  - v) Figures to the **right** indicate **full** marks.

1. A) Define species. [1]
- B) Give any one use of phosphorus in living organisms. [1]
- C) A potted plant kept outside on a dry sunny day showed wilting. Name the process and give significance of it. [3]
- D) What do you mean by modification of root ? Describe different types of tap root modification. [5]

OR

Give an account of modification of stem.

2. A) Why is blood donor always tested for HIV before transfusion. [1]
- B) Plant that grow upon other plant only for support. Name the type of plant. [1]
- C) Explain the functions of Abscisic acid (ABA). [3]
- D) Describe in detail the characteristics of phylum arthropoda. [5]



3. A) Arrange the following in taxonomic hierarchy. [1]
- Division – Angiospermae  
Class – Dicotyledonae  
Kingdom – Plantae  
Species – Indica  
Genus – Mangifera
- B) Distinguish between : [2]
- a) Primary consumer and secondary consumer.  
b) Producer and decomposers.
- C) Draw a neat labelled diagram of V.S. of flower. [2]
- D) Describe any two characteristics of gymnosperms. [2]
- E) Explain in short carbon cycle. [3]
4. A) Vulture eats the dead animals. Name the type of association. [1]
- B) Draw a neat labelled diagram of a pollen grain. [1]
- C) Give a graphical representation of cyclic photophosphorylation. [3]
- D) State the distinguishing in characters of order coleoptera. [5]
- OR
- State the distinguishing characters of order Ephimenroptera.
5. A) Define symbiosis. [1]
- B) Vegetation grow faster in a forest destroyed by fire than on bare rocks. Name the process and give scientific basis. [2]
- C) Draw a neat labelled diagram of chlamydomonas. [2]
- D) Egyptian plover bird walks boldly into the open mouth of a crocodile to peek Leeches from between its teeth. Name and explain the type of association. [2]
- E) Rose plants grown in a garden showed symptoms of yellow edges of leaves and premature death. Mention the mineral deficiency in the soil and give two function of it. [3]