

2019 III 09

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Seat No.

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Time : 2 Hours

Chemistry (Vocational)

Subject Code

V	2	9	1
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Total No. of Questions : 5

(Printed Pages : 3)

Maximum Marks : 50

- INSTRUCTIONS* :
- (i) Answer each question on a fresh page.
 - (ii) Write the number of the questions and sub-questions clearly.
 - (iii) All questions are compulsory.
 - (iv) Figures to the right indicate full marks.

- Q.1.
- A) Name one example of organic manure 1
 - B) What do you mean by Straight fertilizer? 1
 - C) State the structural formula of Pantane. 1
 - D) What are inorganic fertilizer? Give its one example. 2
 - E) Answer the following
 - 1. Classify the pesticide on the basis of mode of entry 3
 - 2. State two example of Systemic pesticide 2
- OR
- F) Answer the following.
- 1. Describe in short the effect of pesticide pollution. 3
 - 2. State two example of Nerve poison. 2
- Q.2
- A) Name the sub-group of the soil from the properties mentioned below. 2
 - 1. Yellowish brown to rusty soil rich poor in drainage.
 - 2. Dark brown to deep black coloured soil found up to the depth of 30 cm or less.

- B) Distinguish between Red soil and Black Soil (two points) 2
- C) Answer the following question.
1. Define Rocks. 1
 2. State different types of weathering of rock ?. 2
- D) Distinguish between Igneous rock and sedimentary rock (three point each) . 3.
- Q.3. A) Define pest. 1
- B) Name one diseases causes in human due to application of pesticide . 1.
- C) Calculate the Molarity of solution formed by dissolving 5 g of KOH in
100 ml of water 3
(Atomic masses :- K=39, H=1, O=16).
- D) Answer the following.
1. State any two uses of carbon dioxide. 2
 2. With neat chemical equation give one method of preparation of Carbon dioxide. 3
- OR
- E) 1. State any two properties of carbon monoxide. 2
2. With neat chemical equation give one method of preparation of Carbon monoxide. 3
- Q.4 A) Why soil testing is significant . 1.
- B) Describe the procedure involving in collection of soil sample for soil testing? 2
- C) State any two function of amino acid. 2
- D) 1. Draw a neat labelled diagram of plant cell 3
2. Explain following parts of cell in short. 2
1. Plasma membrane
 2. Nucleus.
- Q.5 A) What are micronutrients. 1
- B) Write any two deficiency symptoms of phosphorus in plants. 1
- C) Do as Directed 2
1. Name any one example of enzyme.
 2. What is the full form of RNA

D) State any three function of lipids .

3

E) Write any one function of the following nutrient.

3

1. Boron

2. Zinc.

3. Nitrogen.