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Time : 2 Hours**Chemistry (Vocational)****Subject Code**

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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 (Atomic masses :- K=39, H=1, O=16).	3
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.