

**FULL.MARKS-25**  
**CLASS-VIII SUB: -SCIENCE**

**All questions are compulsory: -**

**2x5= 10**

1. Give any differences between manures and fertilizers.
2. Explain why, thermoplastics become soft on heating but thermosetting plastics do not become soft on heating. Draw labeled diagrams to illustrate your answer.
3. Compare the chemical properties of metals and non-metals in tabular form.
4. (a) What is petroleum? Where does petroleum occur?  
(b) Describe the process of formation of petroleum.
5. (a) What is meant by fermentation? Name the scientist who discovered fermentation.  
(b) Which micro-organism converts sugar into alcohol during fermentation?
6. Match the micro-organisms in column A with their action in column B **1x5= 5**

A	B
(i) Bacteria	(a) Fixing nitrogen
(ii) Rhizobium	(b) Setting of curd
(iii) Lactobacillus	(c) Baking of bread
(iv) Yeast	(d) Causing malaria
(v) A Protozoan	(e) Causing cholera
(vi) A virus	(f) Causing AIDS
(vii) Penicillium	(g) Producing antibiotics

2. Multiple choice question

**1x5= 5**

- (I) Which of the following is being used as a source of hydrogen gas needed to manufacture fertilizers  
(a) Biogas      (b) Natural gas      (c) Coal gas      (d) Petroleum gas
- (II) D.T.C uses which of the following as fuel?  
(a) C.N.G      (b) Coal      (c) Petroleum      (d) L.P.G
- (III) The metal which will not produce hydrogen gas on reacting with dilute sulphuric acid is?  
(a) Sodium      (b) Silver      (c) Iron      (d) Zinc
- (IV) Which of the following plastics is used for making electric switches?  
(a) Teflon      (b) Melamine      (c) PET      (d) Bakelite
- (V) Which of the following is not a kharif crop?  
(a) Paddy      (b) Mustard      (c) Maize      (d) Groundnut

3. Fill in the blanks

- (I) The first step before growing crops is \_\_\_\_\_ of soil
- (II) Cotton fiber is made of natural polymer called \_\_\_\_\_ .
- (III)  $\text{CuSO}_4 + \text{Zn} \longrightarrow \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$   
 $\text{FeSO}_4 + \text{Zn} \longrightarrow \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$
- (IV) Naphthalene balls are obtained from \_\_\_\_\_