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**MM 10**

**Carbon & its compounds**

**Time 20 Minutes**

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**2 Marks Each**

1. Why is petrol regarded as better fuel than kerosene?
2. How will you convert ethane into ethanol? Also give the chemical reaction involved.
3. What are oxidizing agents?
4. Write the structural isomers of butane. Also give their IUPAC names.

**3 Marks Each**

5. What is the role of concentrated sulphuric acid in esterification reaction?
6. What are the properties of carbon which lead to the huge number of carbon compounds?
7. What is unsaturation in organic compounds? How do unsaturated compounds become saturated? Give one example.
8. Why does micelle formation take place when soap is added to water? Will micelle be formed in other solvents such as ethanol also?

**3 Marks Each**

9. Two carbon compounds A and B have  $C_3H_8$  and  $C_3H_6$  respectively. Which one of the two is most likely to show addition reactions? Justify your answer. Explain with the help of chemical equation how an addition reaction is useful in vegetable ghee industry.

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