

Government General Degree College, Dantan-II

1st Semester B. Sc (H) Internal Examination-2021

Subject: Chemistry

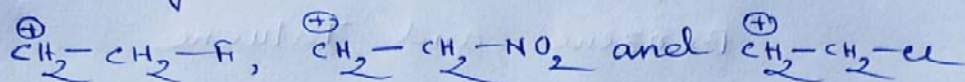
Paper: CC-1T

F.M: 20

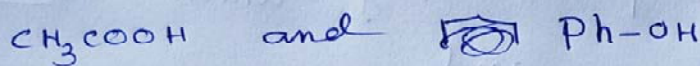
Time: 1h

Answer the following questions as per direction:

1. Write down the stability order of the following carbocations. 10 x 2 = 20



2. Which one is more acidic?



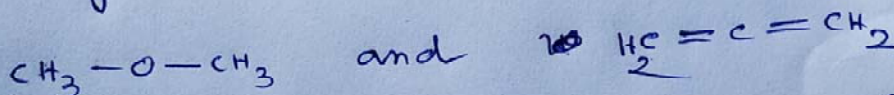
3. $\text{CH}_3\text{-NH}_2$ is more water soluble than $\text{CH}_3\text{-OH}$ - Explain.

4. Which one has more dipole moment value?

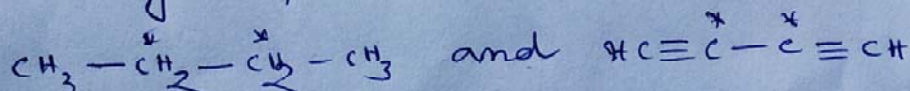


5. Alcohols have much higher boiling points than those of alkanes of comparable molecular weight - Explain

6. Draw the orbital picture of the following compounds.



7. Which $\text{C}^*\text{-C}^*$ bond is more stronger of the following compounds



8. What do you mean by resonance energy?

9. P.T.O. →

9. Which one has more melting point value?

Benzene and Toluene

10. Which one is more stable

Cyclopentadienyl cation
anion



and

cyclobutadiene

