

Government General Degree College, Dantan-II

5th Semester B. Sc (H) Internal Examination-2021

Subject: Chemistry

Paper: CC-12T

F.M: 20

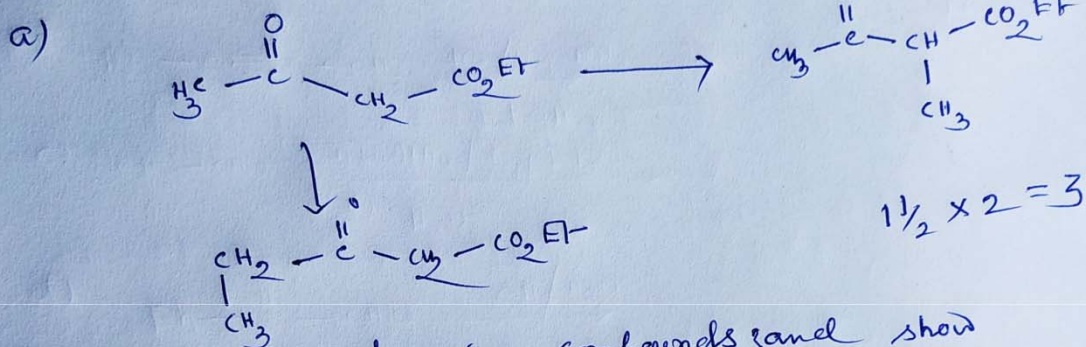
Time: 1h

Answer the following questions (any five)

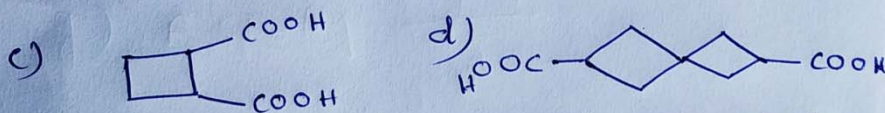
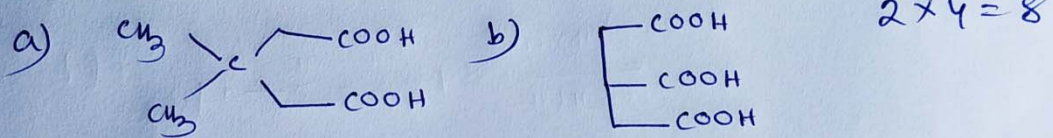
5x4

1. What do you mean by — 2
a) FGI and b) FGA

2. Carry out the following transformations: 2

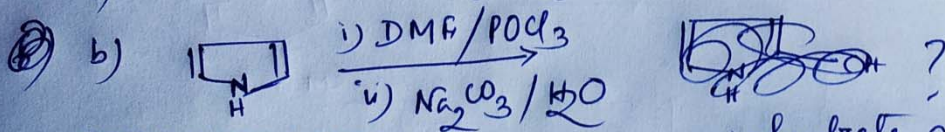


3. Synthesize the following compounds and show the retrosynthetic pathway.



4) What do you mean by electrophoresis?

5) Write down the product with mechanism 2
a) $\text{Ph-CH=O} \xrightarrow[\text{ii) } \text{H}_3\text{O}^+]{\text{i) } \text{NH}_4\text{Cl/KCN}} ?$ $2 \times 2 = 4$



6) Which one is sweetest-carbohydrate molecule? 1