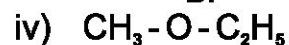
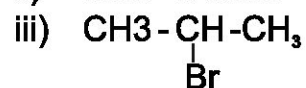
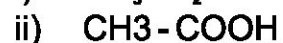
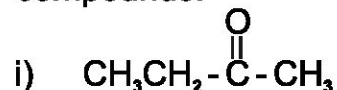


Q.3 Give in detail the mechanism of cleaning action of soaps.

Q.4 Write down the IUPAC name of the following compounds.



Q.5 Discuss the factors affecting rate of a reaction.

Q.6 Write short notes on:-

i) Gold number

ii) Gels.

Q.7 What are buffer solutions ? Give the types of buffer solution. Discuss in detail the buffer action of basic buffer.

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**3rd Sem. / Tex. Processing / Tex. Chemistry**

**Subject : Physical & Organic Chemistry/  
Basic Chemistry**

Time : 3 Hrs.

M.M. : 100

**SECTION-A**

**Note:** Very Short Answer type questions. Attempt any 15 parts. (15x2=30)

- Q.1 a) Liquid dispersed phase in solid dispersion medium is \_\_\_\_\_.  
b) What is an emulsifying agent.  
c) If the gold number of a substance is 10, its protective power is \_\_\_\_\_.  
d) Give an example of elastic and non-elastic gels.  
e) Define chemical kinetics.  
f) Rate of a reaction \_\_\_\_\_ with increase in temperature.  
g) If the rate constant of reaction is  $2 \times 10^{-3} \text{ second}^{-1}$ . What is the order of the reaction  
h) Define catalysis.  
i) Name two weak acids.

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