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MATRIC NO : 17/ENG 02/075

COURSE: CHM 102

DEPARTMENT: COMPUTER ENGINEERING

COLLEGE: ENGINEERING

ASSIGNMENT

1a. the possible formulas are C7H16 , C6H12O , C5H8O2

1b. Organic compounds are used in every part of our lives. They are used to make food,clothes, fuels, medicines, dyes and insecticides.

1c. Homocyclic compound ring contains only one type of atom while heterocyclic compound ring contains different types of atoms.

2a. 2.4cm band retardation factor:

5.6cm band retardation factor:

8.9cm band retardation factor:

2b. A: aldehydes and B: alkenes

2c: It is used to test for aldehydes and ketones

2d: alkyl halides: iodoethane and bromopentane

Alcohol: ethanol and propanol

Ketones: pentanone and hexanone

Carboxylic acids : pentanoic acid and butanoic acid

Alkanal: heptanal and pentanal

Esters: methyl ethanoate and ethyl propanoate

Ether: diethyl ether methyl ethyl ether