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**DEPARTMENT: MBBS COLLEGE: MHS**

**MATRIC NUMBER:19/MHS01/080 COURSE CODE: CHM 102**

**1. Name the functional groups present in each of the following molecules**

**(I) CH2=C(OH)HCHO**

**(ii) C6H5CH(NH2) COCH3**

**(iii) CH3C=CHCH(OH)CHO**

**ANSWER**

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**2. A 0.856 g sample of pure (2R, 3R)-tartaric acid was diluted to 10cm3 with water and placed in a 1.0 dm polarimeter tube. the observed rotation at 200 C was +1.00. Calculate the specific rotation of (2R, 3R)-tartaric acid.**

**ANSWER**

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**3. Draw the possible geometric isomers (where possible) for each of the following compounds:**

**(I) Hexa-2,4-diene**

**(ii) 2,3-Dimethylbut-2-ene**

**ANSWER**

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