

- 3** Attempt any **three** : **18**
- (a) Give the structural formula of the following :
- (i) Propynal
 - (ii) Butanone
 - (iii) Butanenitrile
 - (iv) Pentanoic acid
 - (v) 2-Butanol
 - (vi) 3-pentanone
- (b) Explain : Homolytic and Heterolytic bond fission.
- (c) Give a brief account of the optical isomerism in tartaric acid.
- (d) Explain the classification of carbohydrate in details with example.
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- 4** Attempt any **three** : **16**
- (a) Give two methods of synthesis of a amino acids.
- (b) Explain : number average and weight average molecular weight for determining the molecular weight of polymer.
- (c) Explain the role of heamoglobin in human body.
- (d) (i) Write a note on anti TB-drugs.
(ii) Write preparation and application of Nylon-66.
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