



THE ANSWERS MUST BE ATTEMPTED ON THE ANSWER SHEET PROVIDED

Q.1. Answer the following short questions. (15x2=30)

- (i) Enlist major industrial chemicals produced from ethylene.
- (ii) Write down different problems and diseases caused by the tanning industries to human.
- (iii) Define nitration and write down possible product obtain from nitration of propane.
- (iv) Write down the raw materials used for polyester and write down the equation for polyester.
- (v) Differentiate between simple and mixed triglycerides with one example of each.
- (vi) Give reactions for the conversion of methane to acetylene.
- (vii) Name different 'BEAMHOUSE OPERATIONS' involved in the manufacturing of leather.
- (viii) Describe the reasons of fat spoilage.
- (ix) Write down the major and minor components of fats and oil.
- (x) Differentiate between the essential oils and vegetable oils.
- (xi) Give reactions for the conversion of methane to acetylene.
- (xii) What are the major uses of carbon black?
- (xiii) Shortly describe the process for the production of ethylene from naphtha.
- (xiv) Define mercerization and briefly describe its importance in textile finishing
- (xv) Enlist the raw material of Dacron, also give the reaction of its formation.

Answer the following questions.

- Q No. 02 (a)** Give brief description of 'steps involved in converting animal skin to leather. (7)
- (b) Define fibre and comment that all fibres are not textile fibres. (3)
- Q No. 03 (a)** Describe different steps involved in the extraction of 'COTTON SEED OIL'. (5)
- (b) Give the importance of acetylene and benzene as petrochemicals (5)
- Q No. 04 (a)** Describe the production of 'nylon 66' with the help of flow sheet diagram. (6)
- (b) Write a concise note on the 'HYDROGENATION' of vegetable oils. (4)