

T78/V78/V91/MFP202/MFS107/MFC107/EE/20160525

Time : 3 Hours

Marks : 80

Instructions :

1. All Questions are Compulsory.
 2. Each Sub-question carry 5 marks.
 3. Each Sub-question should be answered between 75 to 100 words. Write every questions answer on separate page.
 4. Question paper of 80 Marks, it will be converted in to your programme structure marks.
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1. Solve any **four** sub-questions.
 - a) Discuss the various components of packaging. 5
 - b) Explain the concept of Three R's of Packaging. 5
 - c) What are the classification of Packaging? 5
 - d) Define : 5
 - i) Packaging
 - ii) Leakage Test
 - e) Describe Fibre Morphology - Criteria. 5
2. Solve any **four** sub-questions.
 - a) Explain the process of processing of plastics. 5
 - b) Discuss Rheological Properties of Plastics. 5
 - c) What are the Properties of Nylon? Explain. 5
 - d) Discuss types of Tin Plate - Containers. 5
 - e) Describe manufacturing of two-piece-cans. 5

3. Solve any **four** sub-questions.
- a) What are the five types of Lacquers? 5
 - b) Elaborate manufacturing of aluminium foil. 5
 - c) What are the Basic Components of an Aerosol Pack? 5
 - d) Write down the Bottling - Defects. 5
 - e) State the advantages of Glass packaging. 5
4. Solve any **four** sub-questions.
- a) Write a note on Hot-Fill-Technology. 5
 - b) What are the Direct Effects of Irradiation on Package? 5
 - c) Discuss the types of strapping and Reinforcement. 5
 - d) What is CPSC? Discuss. 5
 - e) Write a brief note on Federal Trade Commission. 5

