

P49/HSC284/EE/20160522

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) Name any five liquid dosage forms. 5
 - b) What is Implant? 5
 - c) Write two examples of emulsifying agent. 5
 - d) What is Disintegration time and its limit for uncoated tablets? 5
 - e) Write note on two type of capsules. 5
2. Solve any **four** sub-questions.
 - a) Write note on Creams. 5
 - b) Classify suspension based on Electro Kinetic nature of solid particles. 5
 - c) Write any four example flavouring agents. 5
 - d) Which dye is used to test type of emulsion? 5
 - e) Classify parenteral preparation based on volume. 5

3. Solve any **four** sub-questions.
- a) Write functions of packaging. 5
 - b) Write note on autoclave sterilization. 5
 - c) What are the disadvantages of Parenteral dosage form? 5
 - d) How you will determine the types of emulsion? 5
 - e) Write in process tests for liquid orals. 5
4. Solve any **four** sub-questions.
- a) What are lozenges? 5
 - b) Write line clearance process for Bottle filling, labeling and packing line. 5
 - c) Describe the manufacturing process for liquid orals preparation. 5
 - d) Describe the manufacturing stages in Topical preparations. 5
 - e) Describe the manufacturing stages in WFI. 5

