

Pharmacy,

Code No. 8049 / S

**FACULTY OF PHARMACY****B. Pharmacy III / I – Semester (Suppl.) Examination, April 2015****Subject: Pharmaceutical Technology****(Pharmaceutics – II)****Time: 3 Hours****Max.Marks: 70****Note: Answer All questions. All questions carry equal marks.**

- 1 a) What do you mean by “GRAS”? Explain the ideal properties of pharmaceutical excipients? Mention few properties of hydrocolloids? 8  
b) Mention two antioxidants, preservatives and surfactants with their concentration used in pharmaceutical preparation. 6  
**OR**  
c) Describe any two large scale hard gelatin capsule filling methods. What are the different sizes of hard gelatin capsules available? 10  
d) Write the composition of soft gelatin capsule? Define “base adsorption”. 4
- 2 a) Explain theory of suspensions. Describe in detail evaluation of suspensions. 14  
**OR**  
b) What are the various formulation factors affecting the manufacture of emulsions? 9  
c) Describe quality control tests for pharmaceutical emulsions. 5
- 3 a) Mention different types of tablets and their advantages. Explain the properties of diluents and disintegrants used in the tablet formulation with examples. Mention the quality control of enteric coated tablets. 14  
**OR**  
b) Mention different types of pharmaceutical coating process. Explain sugar coating process in detail. 9  
c) Describe coating defects. 5
- 4 a) Explain the various steps involved in the process of manufacture of small volume parenterals. Mention quality control tests of parenterals. 10  
b) Describe SHAM test. 4  
**OR**  
c) Explain the labelling requirements for eye preparations according to Drugs and Cosmetics Act. 5  
d) Explain the quality control tests for eye preparations. 9
- 5 a) List the disadvantages and advantages of different types of propellants. Name some commonly used propellants. 5  
b) Explain in detail formulation of aerosols. 9  
**OR**  
c) Describe plastic as a pharmaceutical packing materials. 7  
d) Describe quality control tests for plastic. 7

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