Q.P. Code: 04949

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[Time: 3 Hours] [Marks:70] Please check whether you have got the right question paper. N.B: 1. All questions are compulsory. 2. Draw neat labeled diagrams wherever necessary. Q.1 a) Discuss the criteria for selection of suitable tablet excipients. 2 Ž b) Elaborate on the disintegration test of enteric film coated tablets. 2 c) Give the desirable features of aerosols. 2 d) Discuss the various types of aerosol systems. 2 e) Why are mixtures of gelatin used in hard gelatin capsule shells? 2 f) State the mechanism of starch as a disintegrating agent. 1 g) List four ideal properties of packaging materials for capsules. 2 h) Explain in brief, dispersible tablets Q.2 4 a) What is picking and sticking during tablet compression? Give its causes and remedies. 4 b) Discuss in brief, the various packaging materials used in blister packing of solid oral dosage forms. 3 c) Discuss powder formulations for pharmaceutical aerosols. Q.3 a) Elaborate on raw materials used in sugar coating of tablets. 4 3 b) What are capsules? State the applications and limitations of capsules as a dosage form. 4 c) Discuss the various parts of a pharmaceutical aerosol container with a suitable diagram. a) Discuss, in details the physics of tablet compression. 4 **Q.4** 4 b) Discuss the large scale manufacturing of soft gelatin capsules. 3 c) Explain the particle size determination and spray pattern testing of aerosols. Q.5 a) Describe the preformulation studies carried out during development of tablets. 4 b) Discuss fluidized bed coating in brief. 3 c) Classify the capsule filling equipments. Discuss in brief, the excipients used in formulation of hard 4 gelatin capsules.

a) Elaborate on wet granulation technique during manufacture of tablets discussing the

advantages and drawbacks of the same.

c) Discuss the quality control tests for hard gelatin capsules.

b) Write a note on enteric film formers.

Q.6