Printing Page(s) : 1 **Paper Code :DMS-221**

Roll No.

MBA-14(Pharmaceutical Marketing)

2nd Year Examination, Academic Batch 2016-17

Pharmaceutical Formulation Design and Development

Time : 3 Hours] *[Max. Marks : 100*

***Note**. Attempt any **Five** questions. All questions carry equal marks.*

Q1. Define Preformulation studies. Explain the role of crystallinity and polymorphism study in the development of a new drug formulation in solid state.

Q2. Define and classify polymers. Write their synthesis and properties..

Q3. Explain the following terms:
a) BCS system of classification of drugs. b) Similarity factor.

Q4. Explain various factors influencing ***IVIVC***

Q5. Explain various additives used in liquid dosage forms.

Q.6. Explain pharmaceutical ingredients and excipients-definition and types

Q.7. Discuss various additives used in semisolid dosage forms.

Q.8. Write a note on accelerated stability testing of pharmaceutical products.