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Paper Code :DMS-221

Roll No.

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MBA-14(Pharmaceutical Marketing)
2nd Year Examination, Calendar Batch 2016
Pharmaceutical Formulation Design and Development

Time : 3 Hours]

[Max. Marks : 100

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

- Q.1** What is IVIVC? Explain factors affecting IVIVC.
- Q.2** Describe various packaging materials used in pharmaceutical industry.
- Q.3** Discuss the crystalline states and structural assessment of drugs in solid state?
- Q.4** Explain various mechanisms of drug absorption across Biomembranes.
- Q.5** Define Preformulation Studies? Explain the effect of pH and pKa on the solubility of a drug.
- Q.6** Explain various Excipients (Additives) used in formulation of Tablets.
- Q.7** Define and classify polymers? Write down the synthesis and pharmaceutical application of different types of polymers.
- Q.8** Write a note on Microbiological Preservation of drug formulations.