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Roll No

PY-115**B.Pharm., I Year II Semester**

Examination, June 2016

Choice Based Credit System (CBCS)**Pharmaceutical Dosage Form****Time : Three Hours****Maximum Marks : 60**

- Note:** i) Attempt any five questions.
 ii) All questions carry equal marks.
 iii) Subparts of the question should be attempted in continuation.

1. a) What are the different routes of drug administration? Give advantages and limitations of oral route.
 b) Write a brief notes on parental routes of drug administration.
2. a) What are pharmaceutical dosage forms? Classify different dosage forms with suitable examples.
 b) Define and classify emulsions. Give brief account on different method of preparation of emulsions.
3. a) Discuss in detail additives used in liquid dosage forms.
 b) Give a brief note on emulsifying and suspending agents.
4. a) Give definition, general formulation, method of preparation for the dispensing of syrups and elixirs.
 b) Give definition, general formulation, method of preparation and storage condition for lotions and liniments.

5. a) Define pharmaceutical packaging. Discuss the factors influencing choice of containers for packaging.
 b) Describe various packaging materials used in pharmaceutical packaging.
6. a) What are the different systems of weight and measures?
 b) Give a brief account on alligation method and dose calculation.
7. Write short notes on any three of the following:
 - a) Blister and Strip packaging
 - b) Organoleptic agents
 - c) Gargles and mouth washes
 - d) Percentage solutions
