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Roll No

PY-502 (CBGS)
B.Pharm., V Semester (PCI Scheme)
 Examination, December 2017
Choice Based Grading System (CBGS)
Industrial Pharmacy - I

Time : Three Hours

Maximum Marks : 75

- Note:** i) Attempt any five questions.
 ii) All questions carry equal marks.

1. What do you mean by preformulation? Discuss the various physiochemical characteristics of drug substances.
2. Enumerate components of aerosol packaging. Discuss formulation and evaluation of aerosols.
3. What are liquid orals? Discuss in detail the use of different additives in manufacturing of liquid oral dosage forms.
4. What is an enteric coated tablet? Enlist excipients used in manufacturing of tablet with example and purpose of use.
5. What are parenterals? Explain about small volume and large volume parenterals in detail.

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6. Define packaging. Discuss in detail about various materials used for packaging of pharmaceutical products.
7. Define cosmetics as per Drug and Cosmetic Act, 1940. Discuss the formulation and evaluation of lipsticks.
8. Write short note on any three of the following:
 - a) BCS classification of drugs
 - b) Ophthalmic preparations
 - c) Containers and closures
 - d) Soft gelatin capsules
