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DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE.

END SEMESTER EXAMINATION WINTER-2023

Course: Bachelor of Pharmacy (B. Pharm)

Semester: Fifth Semester

Subject: INDUSTRIAL PHARMACY-I (THEORY)

Subject Code:BP 502 T.

Time: Three Hours

Date: 05/01/2024

Maximum Marks: 75

- Note: 1. Question No.1 is compulsory
2. Attempt any two question from Que. No. 2
3. Solve any seven from Que. No. 3

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Que. No. 1. Attempt all questions: -

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10 x 2= 20

- Define preformulation. Enlist the physical and chemical properties of drug substance evaluated for preformulation study.
- Define tablet. Mention the reason for its popularity.
- What is the need of coating of tablet and what are the different types of tablet coating?
- Write advantages of pellets
- Draw a schematic labelled diagram of an Aerosol container.
- What are diffusible and indiffusible solids?
- Name the excipients commonly used for making capsule dosage form.
- What is the importance of isotonicity in parenteral formulation with suitable example?
- What are the excipients added in ophthalmic preparations?
- What is important role of packaging materials?

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Que. No. 2. Answer any TWO questions.

2 x 10= 20

- What is aerosol? Explain the different types of aerosols system and quality control parameters for Aerosols.
- Define parenteral formulation along with advantages and limitations. Describe the process of production, facilities and control of parenteral formulation.
- Enlist different excipients and role of excipient used in formulation of tablets. Explain tablet compression and processing problems along with remedies.

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Que. No. 3. Answer any SEVEN questions.

7 x 5= 35

- Describe the various aspects of environmental protection of pharmaceutical products considered in packaging
- Differentiate the cold cream and vanishing cream. Discuss the composition and formulation of vanishing cream.
- Explain the in-process and finished product quality control test for tablet.
- Define coating. Describe steps for sugar coating along with its advantages and disadvantages.
- Describe in brief sterility test for parenterals.
- Explain detailed method of preparation of emulsion with example.
- Describe production process of hard gelatin capsule shell.
- Explain BCS classification system (BCS) along with its application.
- Explain formulation aspects of preparation of ophthalmic formulation with example.

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