

Total No. of Questions: 3

Total No. of Printed Pages: 2

Enrollment No.....



Faculty of Pharmacy
End Sem Examination Dec-2023
PY3CO19 Industrial Pharmacy -I

Programme: B. Pharm.

Branch/Specialisation: Pharmacy

Duration: 3 Hrs.

Maximum Marks: 75

Note: All questions are compulsory. Internal choices, if any, are indicated. Assume suitable data if necessary. Notations and symbols have their usual meaning.

- Q.1
- Define Preformulation. 2
 - Give two objectives of Preformulation. 2
 - Enlist any four excipients used in the formulation of tablets. 2
 - Give two examples of coated tablets. 2
 - Define glidant with example. 2
 - What is the disintegration time of hard gelatine capsules? 2
 - Name two techniques for ampoule sealing. 2
 - Define Closures. 2
 - Define Aerosols. 2
 - Differentiate between cold cream and vanishing cream. 2

- Q.2
- Attempt any two:
- Discuss any five parameters of Preformulation studies. 10
 - Describe ideal characteristics of tablets with methods of tablet preparation. Write a note on excipients used in formulation of tablet with examples. 10
 - Explain BCS classification in detail. 5
 - Explain tablet coating with examples. 5

- Q.3
- Attempt any seven: Two questions from each section is compulsory.

Section - A

- Elaborate the evaluation parameters of capsule. 5
- Discuss the production of hard gelatine and soft gelatine capsules. 5
- Define pellets. Discuss the formulation of pellets. 5

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Section - B

- What is an ophthalmic preparation? Discuss the formulation of ophthalmic preparations. 5
- Discuss the quality control tests for parenterals. 5
- Write a detail account on formulation of Injectables. 5

Section - C

- Define cosmetics. Discuss the formulation and evaluation of creams. 5
- Write the significance of packaging in pharmaceuticals. Discuss different containers and Closures used in packaging. 5
- Enlist different parts of Aerosols. Discuss the quality control test of Aerosols. 5

Marking Scheme

PY3CO19 Industrial Pharmacy I

- Q.1
- | | | |
|-------|---|---|
| i) | Define Preformulation. | 2 |
| ii) | Give two objectives of Preformulation. | 2 |
| iii) | Enlist the excipients used in the formulation of Tablets. | 2 |
| iv) | Give two examples of coated Tablets. | 2 |
| v) | Define glidant with example. | 2 |
| vi) | What is the disintegration time of Hard gelatin capsules | 2 |
| vii) | Name two techniques for ampoule sealing. | 2 |
| viii) | Define Closures | 2 |
| ix) | Define Aerosols. | 2 |
| x) | Differentiate cold cream and vanishing cream. | 2 |

- Q.2 Attempt any two:
- | | | |
|------|---|----|
| | Attempt any two: | |
| i. | Discuss all parameters of Preformulation studies | 10 |
| | 4 parameters- 6 Marks | |
| | 6 parameters- 8 Marks | |
| | All parameters- 10 Marks | |
| ii. | Describe ideal characteristics of tablets with methods of tablet preparation. (4 Marks) | 10 |
| | Write a note on excipients used in formulation of tablet with example (6 Marks) | |
| iii. | (a) Explain BCS classification with examples. | 5 |
| | (b) Explain Tablet Coating with examples. | 5 |

- Q.3 Attempt any seven: Two questions from each section is compulsory.
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|--|---|--|
| | Attempt any seven: Two questions from each section is compulsory. | |
|--|---|--|

Section - A

- | | | |
|-----|---|---|
| i. | Elaborate the evaluation parameters of capsule. | 5 |
| | Three parameters 4 Marks | |
| | All parameters 5 Marks | |
| ii. | Discuss the production of hard gelatine (2.5 Marks) | 5 |

- | | | |
|------|--|---|
| | and soft gelatine Capsules. (2.5 Marks) | |
| iii. | Define Pellets. (2 Marks) | 5 |
| | Discuss the formulation technique of Pellets (3 Marks) | |

Section - B

- | | | |
|-----|---|---|
| iv. | What is ophthalmic preparation? (2Marks) | 5 |
| | Discuss the formulation of ophthalmic preparations. (3 Marks) | |
| v. | Discuss the quality control tests for parenterals. | 5 |
| vi. | Write a detail account on Injectables. | 5 |

Section - C

- | | | |
|-------|--|---|
| vii. | Define cosmetics. (2 Marks) | 5 |
| | Define the formulation and evaluation of creams.(3 Marks) | |
| viii. | Write the significance of packaging in pharmaceuticals (2 Marks) | 5 |
| | Discuss the different containers (3.5 Marks) | |
| | and Closures (0.5 Marks) | |
| | used in packaging. (3 Marks) | |
| ix. | Explain the different parts of aerosols. (3.5 Marks) | 5 |
| | Discuss the quality control test of aerosols. (1.5 Marks) | |
