

QP CODE: 307008

Reg. No.....

**Third B. Pharm (Ayurveda) Degree Regular/Supplementary Examinations
March 2026
Industrial Pharmacy I**

Time: 3 Hours

Total Marks: 100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers.*

Essays:

(2x10=20)

1. Describe dry granulation techniques and list out the advantages and disadvantages.
2. Define capsules. Write on manufacturing of hard gelatin capsule shell. Explain the quality control tests for capsule.

Short notes:

(10x5=50)

3. Explain the various physicochemical properties of drug substances which affect drug absorption.
4. Define syrup. Write a note on formulation of syrup.
5. Explain the formulation of ointment.
6. Explain the formulation of toothpaste.
7. Write a note on BCS classification of drugs and its importance.
8. Write on formulation and evaluation of shampoo.
9. Describe the process of sugar coating tablets, as well as its potential benefits and drawbacks.
10. What are the formulation-related issues that arise when developing oral liquid dosage forms, and how do pharmaceutical companies tackle them.
11. Explain manufacturing of soft gelatin capsules by rotary die process.
12. Write an overview of the manufacturing process for soft gelatin capsules using the rotary die method.

Answer briefly:

(10x3=30)

13. Write the formulation of vanishing cream.
14. Write the different sizes of hard gelatin capsule.
15. Enlist the vehicle used in parenteral.
16. Define sunscreen and write its uses.
17. Write the advantages of film coating.
18. Classify eye drops.
19. Differentiate between amorphous and crystalline powder.
20. Define capping and lamination.
21. Write the formulation of cold cream.
22. List the evaluation methods for ophthalmic ointment.

CORRECTION / NO-CORRECTION FILE
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QPCODE: 307008

Dated: 23-03-2026

Question No.3

Modified as "Explain the various physicochemical properties of drug substances which affect drug absorption of semi solid dosage forms."

Question No.6

Replaced with "Explain different extraction methods."

Question No.7

Replaced with "Write a note on Minims per Grams and Base Adsorption value."

Question No.8

Replaced with "Write on formulation and evaluation of Aerosol."

Question No.12

Replaced with "Evaluation test for tablets."

Question No.15

Replaced with "Write Fillers in Tablets."

Question No.16

Replaced with "Write a note on suspending agents."

Question No.18

Replaced with "Classify emulsion."

Question No.22

Replaced with "Galenical products."

Corrections/Modifications/Replacement of Questions if any shall be made available to all students. Take the print out of the Correction File in such cases and distribute to all students.

(Sd/-)

