

(This paper consists of 2 pages)

Date: 21-11-2025

D. Pharmacy (Part-I)
3701

D. Pharmacy Part-I (New Scheme) (Main) Examination November 2025
Pharmaceutics
Paper - I
Time: Three Hours
Maximum Marks: 80

Instruction To The Candidate :

1. Do not write anything on the question paper except roll number, otherwise it shall be deemed an act of unfair means and action shall be taken as per rules.
2. Question paper contains three parts (I-III). Each part is compulsory. Read instructions carefully for each part before starting.
3. Attempt parts of each question altogether. Write question number of each part along with it.

PART - I

Attempt ANY SIX of the following long questions:

- Q1.** Write a note on I.P.
- Q2.** Explain Ball mill with suitable diagram.
- Q3.** Enumerate the size of capsules. Explain the formulation process of hard gelatin capsules.
- Q4.** Give a detailed note on cGMP.
- Q5.** Discuss in brief the additives used in liquid dosage forms.
- Q6.** Define the term fluidized. Explain fluidized bed dryer.
- Q7.** Write a brief note on Glass as a packaging material.

PART-II

Attempt ALL of the following questions in short answer:

Q.8—Answer any SIX

- a. Brief note on scope of pharmacy.
- b. What are the official grades of powders after size separation?
- c. Write a short note on Pharmaceutical aids.
- d. Give applications of extraction.
- e. Classify NDDS.

- f. Short note on effervescent granules.
- g. Define suppositories. Classify suppository bases.

Q.9—Answer ALL questions

- a. Define and explain the concept of QC.
- b. Write a note on Eye drops.
- c. Define: Solution, Elixir and Gels.
- d. Classify extraction methods.

PART-III

Attempt ALL of the following questions objective questions

Q.10 — Fill in the blanks.

- a. Dusting powders are dispensed in _____ containers.
- b. Elixirs are clear, sweetened, aromatic _____ liquids intended for oral use.
- c. Nasal drops should be stored in _____ place.
- d. _____ mill includes a screen as an integral part of the size reduction.
- e. _____ dryer is known as lyophilizer.
- f. First step in the absorption of drug from the tablet is _____.
- g. Parenteral dosage forms must be _____.

Q.11 — Answer in one sentence/one word.

- a. What is used as Vulcanizing agent in the manufacture of rubber closures?
- b. The word “Pharmacy” is derived from which Greek word?
- c. Pharmaceutical aids are also called _____.
- d. Cochineal is which type of agent?
- e. What is nominal size of aperture?
- f. How many types of antibodies are there?
- g. The direction “shake well before use” is given for _____.

Q.12 — Answer in one sentence/one word.

- a. Give one example of natural flavoring agent.
- b. What is sieve number?
- c. If the drugs have maximum therapeutic value, which process is used for extraction?
- d. In the preparation of cold creams, which types of bases are used generally?
- e. What is slurry?
- f. Give examples of blender.

