

QP Code: 522006

Reg. No.....

**Fifth Semester B. Pharm Degree Regular/Supplementary
Examinations May 2026
Formulative Pharmacy
(2017 Scheme)**

Time: 3 Hours

Max. Marks: 75

- *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*
- *Draw diagrams wherever necessary*

Essays

(2x10=20)

1. List out the quality control tests for tablets and explain in detail any three with a description of the apparatus
2. What are soft gelatin capsules. With a neat labelled diagram, discuss the rotary die process of soft gelatin capsules

Short Notes

(7x5=35)

3. Briefly explain the pelletization process by employing suitable equipments
4. With the help of a formula, explain the shampoo preparation method
5. Explain the various measures that can be taken to control air quality in an aseptic sterile manufacturing area
6. What are aerosols. Explain the stability testing of aerosols
7. Explain the various factors that influence the choice of a suitable pharmaceutical containers
8. Write a note on plastic as a pharmaceutical packaging material
9. Explain the various quality control tests for parenterals

Answer Briefly

(10x2=20)

10. What is isotonicity. Write its importance in sterile preparations
11. Write any two tests to be carried out for evaluating ophthalmic preparations
12. What is Water for Injection
13. Write any two merits and demerits of film coating of tablets
14. List out the main excipients used in tablet formulation
15. What are propellants. Give examples
16. Vanishing Cream
17. Examples of antimicrobial agents in ophthalmic preparations
18. Explain oxidation and hydrolysis
19. Define polymorphism

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**Fifth Semester B. Pharm Degree Regular/Supplementary
Examinations May 2026
Pharmacology II
(2017 Scheme)**

Time: 3 Hours

Max. Marks: 75

- *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*
- *Draw diagrams wherever necessary*

Essays

(2x10=20)

1. Classify antihypertensive drugs. Give examples and write down the mechanism of action, adverse effects and uses of ACE inhibitors.
2. Classify oral hypoglycaemic agents. Write the mechanism of action, uses and side effects of metformin.

Short Notes

(7x5=35)

3. Write a note on mechanism of action and therapeutic uses of digitalis.
4. Biosynthesis and functions of prostaglandins.
5. Mechanism of action and uses of heparin.
6. Physiological functions of androgens.
7. Discuss the adverse effects and uses of corticosteroids.
8. Discuss about Gout and its treatment.
9. Bioassay of oxytocin.

Answer Briefly

(10x2=20)

10. Write any two antagonists of 5-HT and histamine.
11. What are osmotic diuretics. Give one example.
12. Write any two common adverse effect of beta-blockers.
13. Write any Two uses of plasma volume expanders and mention Two examples.
14. Classify antianginal drugs.
15. Treatment and management of paracetamol poisoning.
16. Write two uses of vitamin D.
17. Give Two uses and Two examples of uterine stimulants.
18. Applications of Bioassay.
19. Classify antiplatelet drugs.

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Fifth Semester B. Pharm Degree Regular/Supplementary

Examinations May 2026

Pharmaceutical Jurisprudence

(2017 Scheme)

Time: 3 Hours

Max. Marks: 75

- *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*
- *Draw table/diagrams/flow charts wherever necessary*

Essays

(2x10=20)

1. Discuss Schedule M- GMP requirements under Drugs and Cosmetics Act.
2. Write the constitution and functions of Drugs Technical Advisory Board (DTAB).

Short Notes

(7x5=35)

3. Write conditions for grant of licence for manufacture of drugs.
4. Give the objectives of Drugs and cosmetics Act. Define adulterated, spurious and misbranded drugs.
5. Write a note on repacking licence.
6. What is first and subsequent register of Pharmacists. Write the requirements for the registration of names in First register.
7. Define the terms cannabis, narcotic drug, psychotropic substance and illicit traffic under NDPS Act.
8. Write about prohibited and exempted advertisements as per Drugs and Magic Remedies Act.
9. Write a note on Intellectual Property Rights.

Answer Briefly

(10x2=20)

10. Give the specimen label for Schedule X.
11. Conditions for removal names from the first register.
12. Define Schedule T, M2, P and H.
13. Explain the duties of Government. Analyst.
14. Define drug and cosmetic as per Drugs and Cosmetics Act, 1940.
15. Education regulation under Pharmacy Act 1948
16. Explain the list of permitted colours.
17. Name the Central Drug Laboratories.
18. Explain Schedule F.
19. Purpose of national fund for control of drug abuse.
