

QP Code: 121006

Reg. No. ....

*Handwritten signature and date: 20/04/24*

**First Semester B. Pharm Degree Regular/Supplementary  
Examinations March 2026  
Human Anatomy and Physiology I  
(2017 and 2024 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

**Essay**

**(2x10=20)**

1. Explain anatomy of heart with the neat sectional diagram. Add a note on cardiac cycle
2. Discuss the internal structure of ear with a labelled diagram and explain the physiology of hearing

**Short Notes**

**(7x5=35)**

3. Explain types of Muscular tissue
4. Discuss the process of blood clot formation
5. Neat labelled diagram of femur bone with its function
6. Functions of sympathetic nervous system
7. Types of joints
8. What are cranial nerves and give its functions
9. Formation, circulation and composition of lymph

**Answer Briefly**

**(10x2=20)**

10. Blood pressure regulation by hormones
11. Congenital heart defects
12. Function of spinal cord and spinal nerves
13. Various layers of epidermis
14. Types of extracellular body fluids
15. Leukemia
16. Functions of mitochondria
17. Cell signalling
18. Neuromuscular junction
19. Normal curves of vertebral column

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QP Code: 122006

Reg. No. ....  
20/04/20

**First Semester B. Pharm Degree Regular/Supplementary  
Examinations March 2026**

**Pharmaceutical Analysis - I  
(2017 and 2024 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

(2x10=20)

**Essay**

1. Briefly explain about the sources and types of Errors.
2. What is Precipitation titration. Give a detailed account of different methods of Precipitation titration.

**Short Notes**

(7x5=35)

3. Explain the principle and procedure of iron limit test.
4. Explain the principle involved in the estimation of sodium benzoate.
5. Explain the theories of acid-base indicators.
6. Write a note on PM indicators.
7. Write the construction and working of calomel electrode.
8. Discuss the principle of Polarography. Write the Ilkonic equation.
9. Discuss the different techniques of Analysis.

**Answer Briefly**

(10x2=20)

10. What is Universal indicator.
11. Define half wave potential.
12. Explain Bronsted acid-base theory.
13. Explain co precipitation and post precipitation.
14. What are indicator electrodes.
15. How will you prepare and standardize 1N NaOH solution.
16. Define Oxidation and Reduction.
17. What is Limiting current.
18. Applications of conductometric titrations.
19. Name some protogenic and protophilic solvents.

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**CORRECTION / NO-CORRECTION FILE**

**QPCODE: 122006**



**Dated: 01-04-2026**

**Question No.3**

**Replaced with "Explain the principles and applications of redox titrations."**

**Question No.8**

**Corrected as "Discuss the principle of Polarography. Write the Ilkovic equation."**

**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/-)**

**CONTROLLER OF EXAMINATIONS**

QP Code: 123006

Reg. No.....

*Handwritten signature and date: 20/04/2026*

**First Semester B. Pharm Degree Regular/Supplementary  
Examinations March 2026  
Pharmaceutics- I  
(2017 and 2024 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*

**Essay**

**(2x10=20)**

1. Define Posology. Explain the various factors affecting posology.
2. Define liquid dosage forms. Write a note on various additives used in the liquid dosage form.

**Short Notes**

**(7x5=35)**

3. What are the various formulae to calculate drug dose for children.
4. Errors in prescription.
5. How are bulk powders packed and stored.
6. Write a note on the solubility enhancement techniques.
7. Define suppositories. Explain the cold compression method for preparation of suppositories.
8. Write a note on the imperial and metric systems.
9. Explain simple and compound powders with an example.

**Answer Briefly**

**(10x2=20)**

10. Define biphasic liquids.
11. List the methods for preparation of emulsions.
12. Disadvantages of suppositories.
13. Any one method to overcome physical incompatibility.
14. Any two bases used in the ointment.
15. Any two examples of semisolid dosage forms with the name of product.
16. Suspending agents.
17. Define throat paint.
18. Suppository bases.
19. Proof spirit.

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QP Code: 124006

Reg. No. 

**First Semester B. Pharm Degree Regular/Supplementary  
Examinations March 2026  
Pharmaceutical Inorganic Chemistry  
(2017 and 2024 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

**Essay**

(2x10=20)

1. Write the preparation and uses of zinc sulphate, sodium nitrite, hydrogen peroxide and sodium chloride
2. Explain the physiological role of electrolyte

**Short Notes**

(7x5=35)

3. Write the basic principle involved in the limit test for chloride and sulphate
4. Write the principle, chemical reaction and assay of sodium bicarbonate
5. Explain the preparation, assay and uses of calcium gluconate
6. Define buffers, mention the applications of buffers in pharmaceutical systems
7. Define Haematinics. Preparation and assay of ferrous sulphate
8. Explain the history of pharmacopeia
9. Write the pharmaceutical application of radioactive substance

**Answer Briefly**

(10x2=20)

10. Buffered isotonic solutions
11. Principle involved in the modified limit test for chloride in  $\text{KMnO}_4$
12. Oral rehydration salt
13. Classification of gastrointestinal agents with examples
14. Define pharmaceutical aid and astringent
15. Any one mechanism of physiological acid base balance
16. Define astringent with examples
17. Write the preparation of Sodium iodide  $\text{I}^{131}$
18. Write the preparation of ammonium chloride
19. Write the storage condition and precaution of radioactive substance

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