

QP Code: 121006

Reg. No.....

**First Semester B.Pharm Degree Supplementary Examinations**

**February 2021**

**Human Anatomy and Physiology**

**(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

**Essay**

**(2x10=20)**

1. Explain in detail about the steps involved in the formation of RBC.
2. Describe the events in cardiac cycle with a neat diagram

**Short Notes**

**(7x5=35)**

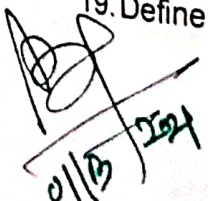
3. Explain the composition and functions of blood
4. Neuromuscular junction
5. Explain the difference between SNS and PNS
6. Explain lymphatic circulation with a neat diagram
7. Anatomy and functions of ear
8. ECG
9. Describe the structure and functions of epithelial cells

**Answer Briefly**

**(10x2=20)**

10. Explain cell junctions
11. Explain the structure and functions of neuron
12. Anatomy of tongue
13. Define anemia. Enlist types of anemia.
14. Types of bone
15. Explain about thymus
16. List out any three cranial nerves and its function
17. Define cardiac output and blood pressure
18. Explain the significance of ESR
19. Define Arrhythmia, myocardial infraction and congestive heart failure

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01/13/2021

QP Code: 122006

Reg. No.....

First Semester B.Pharm Degree Supplementary Examinations  
February 2021

Pharmaceutical Analysis - I  
(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

Essay

(2x10=20)

1. Explain various sources and minimization of error in pharmaceutical analysis
2. With suitable examples explain the complexometric titration of pharmaceuticals.

Short Notes

(7x5=35)

3. Theory of acid-base indicators
4. Give method of preparation and standardization of ceric ammonium sulphate
5. Theory and solvents used in non-aqueous titration
6. Explain types of precipitation titrations
7. Theory and curves of conductometric titrations
8. Briefly describe current voltage curve of polarographic method
9. End point detection and measurement of potential in potentiometric titration.

Answer Briefly

(10x2=20)

10. Polarographic maxima
11. Need of demasking agent
12. Maxima suppressors
13. Metal ion indicators
14. Iodometric titration
15. Reference electrodes
16. Use of dichrometry
17. Diazotisation titration
18. Qualities of primary standards
19. Gravimetry

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01/15/2021

QP Code: 123006

Reg. No.....

First Semester B.Pharm Degree Supplementary Examinations

February 2021

Pharmaceutics- I

(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

Essay

(2x10=20)

1. Define posology. Write the methods of calculation for children and infant doses. Specify the factors affecting dose selection.
2. Classify suppository bases, and briefly describe the characteristics of an ideal base. Write in detail the methods for the preparation of suppository.

Short Notes

(7x5=35)

3. State the Latin terms for the following:
  - Food
  - Twice a day
  - ApplyMention the English meaning for the following:
  - Pulvis
  - Recepte
  - Solve
4. How are mouthwashes different from gargles
5. Classify powders with examples
6. Outline the physical stability of suspension
7. Name the adjuvants used in the formulation of oral liquid dosage forms
8. Outline the displacement value and its importance
9. Explain the types and ideal properties of ointment bases

(10x2=20)

Answer Briefly

10. Pharmacopoeia
11. Define superscription
12. Enema
13. What are efflorescent powders
14. Classify emulsifying agents
15. Explain cosolvent. Give an example
16. How do you lubricate a suppository mould
17. Explain cream
18. Define suspension, and write examples of suspending agents
19. Define syrup

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01/12/2021

QP Code: 124006

Reg. No.....

First Semester B.Pharm Degree Supplementary Examinations  
February 2021

Pharmaceutical Inorganic Chemistry  
(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

Essay

(2x10=20)

1. Define and classify antacids. Explain ideal antacids. Give the preparation, assay, properties and medicinal uses of sodium bicarbonate.
2. Explain the principle and procedures involved in the limit test for heavy metals.

Short Notes

(7x5=35)

3. Explain the role of fluorides as anti caries agents.
4. Explain the methods employed for the measurement of radioactivity
5. Explain the preparation and assay of calcium gluconate
6. Describe the mechanism of action of antimicrobials and give the properties and medicinal use of potassium permanganate.
7. Define acidifiers. Explain the preparation, properties and assay of ammonium chloride.
8. Explain the different types of buffer. Discuss the importance of buffer in pharmaceutical system.
9. What are saline cathartics. Give the preparation and uses of magnesium sulphate.

Answer Briefly

(10x2=20)

10. Preparation of sodium thiosulphate
11. What are the reagents used in the limit test for iron.
12. Mechanism of action and uses of activated charcoal.
13. Define astringent with example.
14. What is Lugol's solution and mention its uses.
15. What is desensitizer. Give an example
16. What is hypertonic saline and mention its uses.
17. Define expectorant. Give the uses of potassium iodide.
18. Define radioactivity. Mention different types of radiations.
19. Mention the uses of boric acid.

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01/03/2021