QP Code: | 119101 | Reg. No.: …………………

I Semester B. Pharm (2019 Batch) Degree Model Theory Examinations, Jan -2020
BP101T – HUMAN ANATOMY AND PHYSIOLOGY(2017 Scheme)

Time: 1 Hr.30 Min.   Max. Marks: 75

- **Answer all questions**
- **Draw diagrams wherever necessary**

Essay .... (2*10=20)

1. Explain the mechanism of skeletal muscle contraction with neat labeled diagrams
2. Explain the general principles of cell communication. Describe the intracellular signaling pathway activation by extracellular signal molecule.

Short Notes   (7*5=35)

3. Describe the parts and functions of cranial nerves
4. Various types of synovial joints
5. Describe about various epithelial tissues
6. Functions of sympathetic nervous system
7. Formation, circulation and composition of lymph
8. Explain about Rh factor and ABO blood group
9. Mention the parts and functions of vertebral column

Answer Briefly   (10*2=20)

10. Types of cartilage
11. Homeostasis
12. Types of muscles
13. Classification of bones with examples
14. Functions of skin

15. Name the bones of skull
16. What are rods and cones
17. Diseases of eye
18. Functions of mitochondria
19. Stages involving in skin formation

QP Code: | **BP103T** | :   **Reg. No.: ……………**

I Semester B. Pharm (2019 Batch) Degree Model Theory

Examinations, Jan 2019

BP103T – Pharmaceutics (2017 Scheme)

Time: 3 Hours   **Max.Marks:75**

- **Answer all questions quest**
- **Draw diagrams wherever necessary**

Essay   (2x10)

1. What is prescription? Describe the factors affecting prescription?
2. Define powders.Mention it's advantages and disadvantages.Classify it?

Short Notes   (7x5)

3. Preparations of syrups with examples.
4. Method of preparation of ointments.
5. Write in detail about Indian pharmacopoeia.
6. Explain chemical incompatibility.
7. Factors affecting dose.
8. Write about ointment bases.
9. Mention the advantage and disadvantage of theobroma oil as a suppository base

Answer Briefly   (10x2)

10. What is phase inversion.

11. Common excipients used in the preparation of throat paints.

12. Formula of paediatric dose calculation based on body weight.

13. What are dusting powders.

14. Types of jellies.

15.Test for identification of emulsion. Explain one method.

16. Name four emulsifying agents.

17. How we can handle eutectic mixtures.

18. Labelling instructions given for liniments.
19. List out lubricants used for lubricating suppository mould.

QP Code: **M-119102**   Reg. No.: ....

I Semester B. Pharm (2019 Batch) Degree Model Theory Examinations,Nov-2019
BP102T - Pharmaceutical Analysis (2017 Scheme)

Time: 3 Hrs.   Max. Marks: 75

- Answer all questions
- Draw diagrams wherever necessary

Essay   (2x10=20)

1. What are Redox titrations. Explain Iodimetry and Iodometry in detail.
2. Define neutralization curves. Explain the different types of acid base titrations with the help of neutalization curves.

Short Notes   (7x5=35)

3. Describe the various steps involved in Gravimetric analysis
4. Estimation of Calcium gluconate.
5. Define errors. Add a note on methods of minimizing errors.
6. Construction and working of Dropping mercury electrode.
7. Metal ion indicators.
8. Explain Conductometric titrations in detail.
9. Explain volhard's method

Answer Briefly   (10x2=20)

10. Explain any two theories of acids and bases with suitable examples.
11. Principle involved in Diazotisation titration.
12. Standardisation of Sulphuric acid.
13. Why is Mohr's method carried out in neutral pH.
14. Define accuracy and Precision.
15. Define Non-aqueous titrations. What are the advantages.
16. What are indicator electrodes. List the advantages and disadvantages of glass electrode.
17. Define primary and secondary standards. Give examples.
18. List the different methods of expressing concentration. Define normality.
19. Type of solvents in non aqueous titration.

QP Code: **319104**   Reg. No.: ....

I Semester B. Pharm (2019 Batch) Degree Model Examinations (Theory), January-2020
BP104T - Pharmaceutical Inorganic Chemistry(2017 Scheme)

Time: 3 Hr.   Max. Marks: 75

- Answer all questions
- Draw diagrams wherever necessary

Essay   (2x 10 = 20)

1. Explain the principle with chemical reaction and procedure involved in the limit test for iron. Add note on importance of limit test.

2. Define antimicrobials. Write the classification & mechanism of action of antimicrobials.

Short Notes: (7x5=35)

3. Applications of radiopharmaceuticals

4. Discuss the electrolytes used in replacement therapy

5. Give the details about activated charcoal.

6. Name one inorganic compound each used as:

- Antacid
- Hematinic
- Emetic
- Antidote
- Astringent

7. Explain major extra cellular ions.

8. Explain the source of impurities in pharmacopoeial substances.

9. Write a note on acidifiers.

QP Code: **219102**   Reg. No.: …………………

I Semester B. Pharm (2019 Batch) Degree Final Examination, January 2020

BP105P – Communication Skills (Practical) (2017 Scheme)

Time: 1 Hr.   Max. Marks: 15

I.   **Match column A with column B   1x5=5**

    A. 1. He said, "I have got a toothache."

      2. Geetha says, "my father is an Engineer."

      3. "I love you." He told me.

      4. "Where are you going?" James asked Mary.

      5. She said to me, "you are my only friend."

    B. 1. He told me that he loved me.

      2. She told me that I was her only friend.

      3. James asked Mary where she was going.

      4. He said that he had got a toothache.

      5. Geetha says that her father is an Engineer.

II.   **Read the passage given below and answer the questions that follow:**

Human beings are programmed to respond to stories. Stories help us to pay attention, and also to remember things. If you can use stories in your presentation, your audience is more likely to engage and to remember your points afterwards. It is a good idea to start with a story, but there is a wider point too; you need your presentation to act like a story.

1. How do stories help us in listening? **1**

2. What is the impact of the audience in listening to stories? **1**

3. Opposite of the word **forget**. (Choose from the passage above). **1**

4. Write a short story that you have heard or read. **2**

III.   Write a paragraph on the importance of communication**. 5**

QP Code: | 119106

Reg. No.: ....

I Semester B. Pharm (2019 Batch) Degree Model Examinations
BP106RMT - Remedial Mathematics(2017 Scheme)

Time: 1 hour 30min

Max. Marks: 50

• Answer all questions

ESSAY

1. If $A = \begin{bmatrix} 1 & 0 & 2 \\ 0 & 1 & 2 \\ 1 & 2 & 0 \end{bmatrix}$ $B = \begin{bmatrix} 1 & -2 & 3 \\ 2 & 3 & -1 \\ -3 & 1 & 2 \end{bmatrix}$ Compute AB and BA.

2. Solve $x-2y+1=0$, $3x+2y=3$ using determinant method.

$(2 \times 10 = 20)$

SHORT ANSWER

3. If $\begin{vmatrix} x & 1 & 3 \\ 4 & 1 & -1 \\ 2 & 0 & 3 \end{vmatrix} = \begin{vmatrix} 2 & -1 & 1 \\ 3 & 0 & 1 \\ -1 & 0 & 2 \end{vmatrix}$ find x

4. Find $\dfrac{d}{dx}\left(\dfrac{\sqrt{x}}{cosecx}\right)$

5. Evaluate $\displaystyle\lim_{x \to 3} \dfrac{x^3-27}{x^2-9}$

6. Find $\dfrac{d}{dx}(sinx.cosx)$

7. Evaluate $\displaystyle\lim_{\theta \to 0} \dfrac{\sin m\theta}{sinn\theta}$

8. If $A = \begin{bmatrix} 1 & -1 \\ 2 & 1 \end{bmatrix}$ $B = \begin{bmatrix} 0 & 1 \\ -1 & 2 \end{bmatrix}$ Evaluate AB

$(6 \times 5 = 30)$