KMP COLLEGE OF PHARMACY
Asamannoor P.O., Poomala, Perumbavoor, Ernakulam, Kerala – 683 549

QP Code: 219101 **Reg. No.:** .....

I Semester B. Pharm (2019 Batch) Degree II Sessional Theory Examinations, January-2020

BP101T – Human anatomy&Physiology(2017 Scheme)

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

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

Essay(1x 10 = 20)

1. Mention the various types of blood cells with its formation. Describe the structure and functions of leucocytes.

Short Notes:(2x5=10)

2. Mechanism of blood coagulation.
3. Describe the anatomy and physiology of auditory system..

Answer Briefly: **(5x2= 10)**

4. What is sickle cell anemia.
5. Physiology of smell.
6. Diseases of the eye..
7. Name the spinal nerves and its plexus formation.
8. Write note composition of blood.

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

I Semester B. Pharm (2019 Batch) Degree II Sessional Theory Examinations, Nov-2019

BP102T - Pharmaceutical Analysis (2017 Scheme)

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

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

Essay

(1x10=10)

1. What are Complexometric titrations. Explain the types of complexometric titrations.

Short Notes

(2x5=10)

2. What is reference electrode. Explain the construction and working of standard hydrogen electrode.
3. List the different types of redox titrations. Explain cerimetry in detail.

Answer Briefly

(5x2=10)

4. Explain the methods of end point detection in Potentiometric titration.
5. Define: (a) Masking and demasking agents

   (b) Co-precipitation and Post precipitation.
6. Applications of Conductometry.
7. What is diffusion current. Explain Ilkovic equation .

Estimation of Barium sulphate

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QP Code: **219103** Reg. No.:

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I Semester B. Pharm (2019 Batch) Degree II Sessional Theory Examinations, Jan 2019

BP103T – Pharmaceutics (2017 Scheme)

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

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

Essay (1x10)

1. Define suppositories and discuss about suppository bases. Explain the method of preparation of suppositories.

Short Notes (2x5)

2. Differentiate between flocculated and non flocculated suspensions.
3. What is emulsion. Explain about different methods of preparation of emulsions.

Answer Briefly (5x2)

4. Difference between pastes and ointments.
5. Write about physical incompatibility
6. List out stability problems in emulsions and explain any one.
7. How the different types of emulsions are identified.
8. Types of jellies.

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QP Code: **219104** Reg. No.: .....

I Semester B. Pharm (2019 Batch) Degree II Sessional Theory Examinations, January-2020

BP104T - Pharmaceutical Inorganic Chemistry(2017 Scheme)

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

- Answer all questions
- Draw diagrams wherever necessary

Essay (1X 10 = 20)

1. Define and classify antacids. Enumerate the ideal characteristic of an antacid. Discuss the preparation of aluminium hydroxide gel.

Short Notes: (2X5=10)

2. How will you measure the radio activity.

3. What are saline cathartics. Give the properties &uses of $MgSO_4$.

Answer Briefly: (5X2=10)

4. Define buffer and buffer capacity.

5. Assay of Hydrogen peroxide.

6. The physiological role of Sodium.

7. Give the medicinal uses of iodine &$CuSO_4$.

8. Write note on oral rehydration therapy.

QP Code: 219102 Reg. No.: .....

I Semester B. Pharm (2019 Batch) Degree II Sessional Theory Examinations, January 2020

BP105T – Communication Skill (2017 Scheme)

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

I. Justify this statement with examples, "Listening skill is the most important skill to develop speaking skill, even then it is not taught separately to all Indian students." **10x1=10**

II. **Answer the following questions in a paragraph 5x4-20**

1. What is listening?
2. How could you manage to listen in difficult situations?
3. Describe how to become an active listener.
4. How could you develop self-awareness?

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.

(2x10=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 $\frac{d}{dx}\left(\frac{\sqrt{x}}{cosecx}\right)$
5. Evaluate $\lim_{x\to 3}\frac{x^3-27}{x^2-9}$
6. Find $\frac{d}{dx}(sinx.cosx)$
7. Evaluate $\lim_{\theta\to 0}\frac{\sin m\theta}{sinn\theta}$
8. If $A=\begin{bmatrix}1 & -1\\ 2 & 1\end{bmatrix}$ $B=\begin{bmatrix}0 & 1\\ -1 & 2\end{bmatrix}$ Evaluate AB

(6x5=30)