

Asamannoor P.O., Poomala, Perumbavoor, Ernakulam, Kerala – 683 549

QP Code:

220106

Reg. No.: .....

I Semester B.Pharm (2020 Batch) Degree II Sessional Examinations April 2021 BP106RMT - Remedial Mathematics(2017 Scheme)

Time: 1 hour 30min

Max. Marks: 30

Answer all questions

**ESSAY** 

1. Solve the following system of equations using matrix method x-y+z=4 2x+y-3z=0 x+y+z=2

(1x10=10)

SHORT ANSWER

- 2. Find the inverse matrix of  $A = \begin{bmatrix} 3 & -2 & 3 \\ 2 & 1 & -1 \\ 4 & -3 & 2 \end{bmatrix}$
- 3. Find  $\frac{d}{dx}(x^2 \sec x)$
- 4. Find  $\frac{d}{dx}(\frac{\sqrt{x}}{cosecx})$
- 5. Find  $\frac{d}{dx}(5\cos x + 3\tan x)$

(4x5=20)





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QP Code:

220101

Reg. No.: .....

I Semester B. Pharm(2019 Batch) Degree II Sessional Examinations, April 2021

Human Anatomy & Physiology(2017 Scheme)

Time: 1 Hr.30 Min.

Max. Marks: 30

- Answer all questions
- Draw diagrams wherever necessary

#### **ESSAY**

(1x10=10 MARKS)

1. List out the cranial nerves explain its central and peripheral connections with its function

### **SHORT NOTES**

(2x5=10 MARKS)

- 2. What are clotting factors? Explain steps involved in clotting mechanism
- 3. Various layers of epidermis

### ANSWER BRIEFELY

(2x5=10 MARKS)

- 4. Function of skin
- 5. Formation of lymph
- 6. Erythropoiesis
- 7. Cell junction
- 8. Normal value with units a) Clotting time b) bleeding time c) RBC d) WBC

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QP Code: 22

220106

Reg. No .....

I Semester B. Pharm (2020 Batch) Degree II Sessional Examinations, April 2021

BP106RBT- Remedial Biology (2017 Scheme)

Time: I Hr. 30 Min.

Max. Marks: 30

- Answer all Questions
- Draw diagrams wherever necessary

Essay

 $(1x\ 10 = 10)$ 

 Explain in detail, what happens to food as it goes through mouth, esophagus, stomach, small intestine and large intestine

Short Notes:

(2x5=10)

- 2. Explain five human digestive secretions? Which of them is the only one that does not contain digestive enzymes?
- Dorsiventral and isobilateral leaves

**Answer Briefly:** 

(5x2=10)

- 4. What are stomata? Write important functions?
- 5. Role of pancreas in digestion
- 6. Salivary glands
- 7. Complex permanent tissues
- 8. Chlorenchyma and Collenchyma

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QP Code:	220104

Reg. No.: .....

I Semester B. Pharm(2019 Batch) Degree II Sessional Theory Examina ons, April 2021

Pharmaceutical Inorganic Chemistry I (2017 Scheme)

Time: 1 Hr.30 Min.

Max. Marks: 30

- Answer all questions
- Draw diagrams wherever necessary

**Essay** 

(1x 10 = 10)

1. Briefly explain buffer equations.

**Short Notes:** 

(2x5=10)

- 2. Define antidotes. Give properties and uses of Sodium nitrite.
- 3. What are haematinics. Give the method of preparation and assay of anyone haematinic.

**Answer Briefly:** 

(5x2=10)

- 4. Mechanism of action of astringent.
- 5. Properties and uses of universal antidote.
- 6. Assay of Ammonium chloride..
- 7. Pysiological role of Calcium.
- 8. Assay of Copper sulfate.

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QP Code:

220102

Reg. No.: .....

## I Semester B. Pharm (2020 Batch) Degree II Sessional Theory Examina ons, April-2021

BP102T - Pharmaceu cal Analysis (2017 Scheme)

Time: 1 Hr.30 Min.

Max. Marks: 30

- Answer all questions
- Draw diagrams wherever necessary

Essay

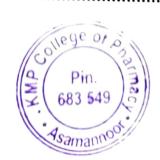
(1x10=10)

- 1. Define redox titration. Discuss in detail any four types of redox titrations **Short Notes** (2x5=10)
  - 2. Discuss the different types of conductometric titration curves
  - 3. Steps involved in Gravimetric analysis

### **Answer Briefly**

(5x2=10)

- 4. Principle involved in Diazotisation titration
- 5. Define oxidation and reduction. What is the Nernst equation for a redox reaction
- 6. Conductivity cell
- 7. Define coprecipitation and post precipitation
- 8. Explain estimation of Barium sulphate



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QP Code: 220103

Reg. No.: .....

I Semester B. Pharm (2019 Batch) Degree II Sessional Examina ons, April 2021

BP103T - Pharmaceu cs-I (2017 Scheme)

Time: 1 Hr.30 Min.

Max. Marks: 30

- Answer all ques ons
- Draw diagrams wherever necessary

**Essays** 

 $(10 \times 1 = 10)$ 

1. What are suppositories? Classify di erent suppository bases used to the prepara on of suppositories. Describe brie y each bases.

**Short Notes** 

(5 x 2 = 10)

- 2. Explain stability of Emulsion.
- 3. What are suspension? Write the qualities of an ideal suspension. How will you dispense a suspension containing disusible solids.

### Answer Brie y

 $(2 \times 5 = 10)$ 

- 4. De ne HLB value? Classify emulsifying agents?
- 5. De ne the term Pessaries?
- 6. De ne Displacement value? How will you calculate the displacement value of drug?
- 7. Di eren ate between occulated and de occulated suspension?
- 8. De ne Emulsion? Write the test for iden ca on of emulsion?

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QP Code:

220105

Reg. No.: .....

# I Semester B. Pharm (2020 Batch) Degree II Sessional Theory Examinations, April 2021

**BP105T - Communication Skill (2017 Scheme)** 

Time: 1 Hr.30 Min.

Max. Marks: 30

#### **ESSAY**

- "Writing skills is considered as one of the important communication skills." Describe it. 10x1=10
- II. Answer the following questions in a paragraph 5x4-20
  - 1. What is an interview? What is the purpose of conducting an interview?
  - 2. What are the four P's of oral presentation?
  - 3. What is listening? What is the difference between listening and hearing?
  - 4. What are the points one must keep in mind in order to write effectively?

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