



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

QP Code: **119301**

Reg. No.:

III Semester B. Pharm(2019 Batch) Degree I Sessional Theory Examinations,
August 2021

BP301T - Pharmaceutical Organic Chemistry – II (2017 Scheme)

Time: 1 Hr.30 Min.

Max. Marks: 30

- Answer all questions
- Draw diagrams wherever necessary

Essays (10 x 1 = 10)

1. Explain the analytical constants of fats and oils and give the significance.

Short Notes (5 x 2 = 10)

2. Rancidity of oils.
3. Explain Friedal crafts alkylation reaction of benzene with mechanism and write it's limitations.

Answer Briefly (2 x 5 = 10)

4. Huckel's Rule.
 5. Name the functional groups that deactivate aromatic ring.
 6. Structure and uses of chloramine.
 7. What is the nitrating mixture used for reaction in benzene.
 8. Structure and uses of DDT.
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10/08/2021



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

QP Code: **119302**

Reg. No.:

III Semester B. Pharm(2019 Batch) Degree I Sessional Theory
Examinations, August 2021

BP302T – Physical Pharmacy-I (2017 Scheme)

Time: 1.5 Hrs.

Max. Marks: 30

- Answer all questions
- Draw diagrams wherever necessary

Essays

(10×1=10)

1. Explain optical rotation and refractive index. Describe their applications and methods of determinations

Short Notes

(5 x 2 = 10)

2. What are the applications of distribution law
3. Define polymorphism. Write their applications in pharmacy

Answer Briefly

(2 x 5 = 10)

4. Positive deviation from Rault's law
5. Eutectic Mixtures
6. Critical solution temperature (CST)
7. Relative Humidity
8. Critical Point



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QP Code: **119301**

Reg. No.:.....

III Semester B. Pharm (2019 Batch) Degree I Sessional Examinations, August 2021 BP301T

Pharmaceutical Microbiology (2017 Scheme)

Time: 1 Hr.30 Min.

Max. Marks: 30

Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number (if needed, sub-question also) correctly for the answer, only in the margin space provided. Answer all parts of a single question together • Leave sufficient space between answers. Draw diagrams / tables / flow charts wherever necessary.

Essays

(5 x 2 = 10)

- a) Explain in detail about prokaryotes and Eukaryotes with neat labeled diagrams
b) Describe about electron and fluorescence microscopy

Short Notes

(2.5 x 4 = 10)

- a) Importance and scope of pharmaceutical microbiology
b) Explain IMViC tests for bacteria
- a) Evaluation of bactericidal activity
b) Pharmaceutical significance of algae and fungi

Answer Briefly

(2 x 5 = 10)

- Details about pure culture technique
- Types of laminar flow equipments
- Commonly used solid media
- Structure of bacterial cell
- Phenol co-efficient methods

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ASP
10/01/2021



KMP COLLEGE OF PHARMACY

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

QP Code:

119304

Reg. No.:

III Semester B.Pharm(2019 Batch) Degree I Sessional Theory
Examinations, August 2021

BP304T - Pharmaceutical Engineering (2017 Scheme)

Time: 1 Hr.30 Min.

Max. Marks: 30

- Answer all questions
- Draw diagrams wherever necessary

Essays

(10 x 1 = 10)

1. Explain the principle, construction, working, merits and demerits of filter press.

Short Notes

(5 x 2 = 10)

2. Laws governing size reduction
3. Classify different types of evaporators. Discuss the principle and economy of multiple effect evaporator.

Answer Briefly

(2 x 5 = 10)

4. Draw neat labeled diagram of semi continuous centrifuge.
 5. Principle involved in freeze drying and mention its application.
 6. Notes on various factors affecting size reduction of a material.
 7. Explain the mechanism of size separation.
 8. Note on EMC
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