SS INSTITUTE OF PHARMACY

(A unit of VS Educational & Charitable Trust)

Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.
Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.

SESSIONAL: I -SESSIONAL THEORY EXAM

1ST B.PHARM SEM-8 (SEP-2023-2024)

SUBJECT: Biochemistry

TIME: 1 HOUR and 30 minutes   **Maximum marks: 30**

LONG ANSWERS: **(1×10=10)**

1. Explain the De novo synthesis of Palmitic Acid.

2. Explain the steps involved in biosynthesis of nucleotide.

SHORT NOTES: (Answer any two)   **(2×5=10)**

1. Explain enzyme kinetics with Mechalis plot .

2. Explain allosteric enzymes regulations.

3. Hexose Monophosphate pathway.

SHORT ANSWERS: **(5×2=10)**

1.What is albinism ?

2. Difference between mRNA and tRNA .

3. Define co enzyme.

4. Creatinine.

5. Lipoprotien.

.

PRINCIPAL.
SS INSTITUTE OF PHARMACY,
KUPPANUR (PO), SANKARI (TK),
SALEM - 637301

SS INSTITUTE OF PHARMACY

(A unit of VS Educational & Charitable Trust)

Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.
Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.

SESSIONAL: I –SESSIONAL THEORY EXAM

1ST B.PHARM SEM-II (SEP-2023-2024)

SUBJECT: Pharmaceutical organic chemistry -1

TIME: 1HOUR and 30 minutes   **Maximum marks: 30**

LONG ANSWERS: **(1×10=10)**

1. Describe the mechanism , kinetics and stereochemistry of SN2 reactions.

2. Write a note on cannizaro and crossed cannizaro reaction .

SHORT NOTES (Answer any two):   **(2×5=10)**
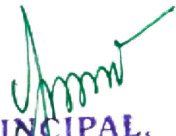
1. Explain the acidity of carboxylic acids.

2. Mechanism and examples of aldol condensations.

3. Explain Diels alder reaction with examples.

SHORT ANSWERS :   **(5×2=10)**

1.Basicity of amines .

2. Structure and uses of formaldehyde.

3. Structrue and uses of paraldehyde.

4. Structure and uses of Methyl salicylate.

5. Structurte and uses of Tartaric acid .

PRINCIPAL.
SS INSTITUTE OF PHARMACY.
KUPPANUR (PO), SANKARI (TK).
SALEM - 637301.

SS INSTITUTE OF PHARMACY

(A unit of VS Educational & Charitable Trust)

Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.
Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.

SESSIONAL: I -SESSIONAL THEORY EXAM

III B.PHARM SEM-V (SEP-2023-2024)

SUBJECT: INDUSTRIAL PHARMACY-1

TIME: 1 HOUR and 30 minutes   **Maximum marks: 30**

LONG ANSWERS: **(1×10=10)**

1. Explain the types ,formulation and evaluation of both suspensions and emulsions.

2. Explain about the production of hard gelatin capsule .

SHORT NOTES: (Answer any two)   **(2×5=10)**

1. Pellets .

2. Packaging   materials used in pharmaceutical preparation.

3. Quality test for capsules.

SHORT ANSWERS: **(5×2=10)**

1. Methods of coating.

2. Inert gases.

3. Slugging.

4. Diluents.

5. Types of glasses.

PRINCIPAL,
SS INSTITUTE OF PHARMACY,
KUPPANUR (PO), SANKARI (TK).
SALEM - 637301

SS INSTITUTE OF PHARMACY

(A unit of VS Educational & Charitable Trust)

Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.
Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.

SESSIONAL: I -SESSIONAL THEORY EXAM

IV B.PHARM SEM-VIII (SEP-2023-2024)

SUBJECT: BIOSTATICS AND RESEARCH METHODOLOGY

TIME: 1 HOUR and 30 minutes   **Maximum marks: 30**

LONG ANSWERS: **(1×10=10)**

1. Write in details about measures of central tendencies (mean, median & mode).

2. Explain the protocol for an experimental study design.

SHORT NOTES: (Answer any two)   **(2×5=10)**

1. Write a short note on Correlation.

2. Write a note on Probability.

3. Write a short note on ANOVA.

SHORT ANSWERS: **(5×2=10)**

1. Report writing.

2. Confidence interval.

3. Chi square test.

4. Probability.

5. Standard error of Mean.

PRINCIPAL,
SS INSTITUTE OF PHARMACY,
KUPPANUR (PO), SANKARI (TK),
SALEM -637301