

JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION'S ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY



Approved by: Pharmacy Council of India, New Delhi &

Affiliated to The Tamilnadu Dr. M.G.R Medical University, Chennai.

Accredited by NAAC "A" Grade and ISO Certified

Ethirmedu, B. Komarapalayam - 638183, Namakkal Dist. Tamilnadu, India.

Website: www.jkkmmrfpharmacy.edu.in / e.mail : principal@jkkmmrfpharmacy.edu.in

Contact No : +919789456750, +919943066944, +919943069944

Dr. N. SENTHILKUMAR, Ph.D.,
Principal

CIRCULAR

02.01.2024

All the **I M. Pharm (I Semester)** and **II M. Pharm (III Semester)** students are hereby informed that **I SESSIONAL THEORY EXAMINATION** will be commenced from **08.01.2024 -11.01.2024**.

- Time table is given below. Staffs are advised to submit the Hard copy (2 copies) of question paper and also send the **Soft copy of question papers to the jkkmsessionalboard082@gmail.com** on or before **04.01.2024**.
- Evaluated papers, Marks statement & Students attendance details have to be submitted within a **week** to concern examination to the sessional board.

Note: Students should submit **Sessional Eligibility (No Due) Certificate** for writing examination on or before **06.01.2024**.



Dr. N.SENTHILKUMAR,
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I. M. PHARM (I Semester) I SESSIONAL THEORY EXAMINATION

PHARMACEUTICS

Date	Time	Subject
08.01.2024 (Monday)	10.30 Am- 11.30 Am	Modern Pharmaceutical Analytical Techniques
09.01.2024 (Tuesday)	10.30 Am- 11.30 Am	Drug Delivery System
10.01.2024 (Wednesday)	10.30 Am- 11.30 Am	Modern Pharmaceutics
11.01.2024 (Thursday)	10.30 Am- 11.30 Am	Regulatory Affairs

I. M. PHARM (I Semester) I SESSIONAL THEORY EXAMINATION

PHARMACEUTICAL CHEMISTRY

Date	Time	Subject
08.01.2024 (Monday)	10.30 Am- 11.30 Am	Modern Pharmaceutical Analytical Techniques
09.01.2024 (Tuesday)	10.30 Am- 11.30 Am	Advanced Organic Chemistry -I
10.01.2024 (Wednesday)	10.30 Am- 11.30 Am	Advanced Medicinal chemistry
11.01.2024 (Thursday)	10.30 Am- 11.30 Am	Chemistry of Natural Products



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I. M. PHARM (I Semester) I SESSIONAL THEORY EXAMINATION

PHARMACEUTICAL ANALYSIS

Date	Time	Subject
08.01.2024 (Monday)	10.30 Am- 11.30 Am	Modern Pharmaceutical Analysis
09.01.2024 (Tuesday)	10.30 Am- 11.30 Am	Advanced Pharmaceutical Analysis
10.01.2024 (Wednesday)	10.30 Am- 11.30 Am	Pharmaceutical Validation
11.01.2024 (Thursday)	10.30 Am- 11.30 Am	Food Analysis

I. M. PHARM (I Semester) I SESSIONAL THEORY EXAMINATION

PHARMACY PRACTICE

Date	Time	Subject
08.01.2024 (Monday)	10.30 Am- 11.30 Am	Clinical Pharmacy Practice
09.01.2024 (Tuesday)	10.30 Am- 11.30 Am	Pharmacotherapeutics-I
10.01.2024 (Wednesday)	10.30 Am- 11.30 Am	Hospital & Community Pharmacy
11.01.2024 (Thursday)	10.30 Am- 11.30 Am	Clinical Research




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I. M. PHARM (I Semester) I SESSIONAL THEORY EXAMINATION

PHARMACOLOGY

Date	Time	Subject
08.01.2024 (Monday)	10.30 Am- 11.30 Am	Modern Pharmaceutical Analytical Techniques
09.01.2024 (Tuesday)	10.30 Am- 11.30 Am	Advanced Pharmacology-I
10.01.2024 (Wednesday)	10.30 Am- 11.30 Am	Pharmacological and Toxicological Screening Methods-I
11.01.2024 (Thursday)	10.30 Am- 11.30 Am	Cellular and Molecular Pharmacology

I. M. PHARM (I Semester) I SESSIONAL THEORY EXAMINATION

REGULATORY AFFAIRS

Date	Time	Subject
08.01.2024 (Monday)	10.30 Am- 11.30 Am	Good Regulatory Practices
09.01.2024 (Tuesday)	10.30 Am- 11.30 Am	Documentation and Regulatory Writing
10.01.2024 (Wednesday)	10.30 Am- 11.30 Am	Clinical Research Regulations
11.01.2024 (Thursday)	10.30 Am- 11.30 Am	Regulations and Legislation for Drugs & Cosmetics, Medical Devices, Biologicals & Herbals, and Food & Nutraceuticals in India and Intellectual Property Rights



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I. M. PHARM (I Semester) I SESSIONAL THEORY EXAMINATION

PHARMACOGNOSY

Date	Time	Subject
08.01.2024 (Monday)	10.30 Am- 11.30 Am	Modern Pharmaceutical Analytical Techniques
09.01.2024 (Tuesday)	10.30 Am- 11.30 Am	Advanced Pharmacognosy-1
10.01.2024 (Wednesday)	10.30 Am- 11.30 Am	Phytochemistry
11.01.2024 (Thursday)	10.30 Am- 11.30 Am	Industrial Pharmacognostical Technology

II. M. PHARM (III Semester) I SESSIONAL THEORY EXAMINATION

FOR ALL BRANCHES

Date	Time	Subject
10.01.2024 (Wednesday)	03.00 Pm- 04.00 Pm	Research Methodology and Biostatistics



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CIRCULAR


22.04.2024

All the I B. Pharm (II Semester), II B. Pharm (IV Semester), III B. Pharm (VI Semester) and IV B. Pharm (VIII Semester) students are hereby informed that I SESSIONAL THEORY EXAMINATION will be commenced from **29.04.2024 - 04.05.2024**.

- Time table is given below. Staffs are advised to submit the Hard copy (2 copies) of question paper and also send the **Soft copy of question papers to the jkkmsessionalboard082@gmail.com** on or before **24.04.2024**.
- Evaluated papers, Marks statement & Students attendance details have to be submitted within a **week** to concern examination to the sessional board.

Note: Students should submit **Sessional Eligibility (No Due) Certificate** for writing examination on or before **26.04.2024**.




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I. B. PHARM (II Semester) I SESSIONAL THEORY EXAMINATION

Date	Time	Subject
29.04.2024 (Monday)	10.30 Am- 12.00 Pm	Human Anatomy and Physiology II
30.04.2024 (Tuesday)	10.30 Am- 12.00 Pm	Pharmaceutical Organic Chemistry I
01.05.2024 (Wednesday)	10.30 Am- 12.00 Pm	Biochemistry
02.05.2024 (Thursday)	10.30 Am- 12.00 Pm	Pathophysiology
03.05.2024 (Friday)	10.30 Am- 12.00 Pm	Computer applications in Pharmacy
04.05.2024 (Saturday)	10.30 Am- 12.00 Pm	Environmental Sciences

II. B. PHARM (IV Semester) I SESSIONAL THEORY EXAMINATION

Date	Time	Subject
29.04.2024 (Monday)	10.30 Am- 12.00 Pm	Pharmaceutical Organic Chemistry-III
30.04.2024 (Tuesday)	10.30 Am- 12.00 Pm	Medicinal Chemistry I
01.05.2024 (Wednesday)	10.30 Am- 12.00 Pm	Physical Pharmaceutics II
02.05.2024 (Thursday)	10.30 Am- 12.00 Pm	Pharmacology I
03.05.2024 (Friday)	10.30 Am- 12.00 Pm	Pharmacognosy and Phytochemistry I



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III. B. PHARM (VI Semester) I SESSIONAL THEORY EXAMINATION

Dr. N. SENTHILKUMAR, Ph.D.,
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Date	Time	Subject
29.04.2024 (Monday)	02.30Pm-04.00Pm	Medicinal Chemistry III
30.04.2024 (Tuesday)	02.30Pm-04.00Pm	Pharmacology III
01.05.2024 (Wednesday)	02.30Pm-04.00Pm	Herbal Drug Technology
02.05.2024 (Thursday)	02.30Pm-04.00Pm	Biopharmaceutics and Pharmacokinetics
03.05.2024 (Friday)	02.30Pm-04.00Pm	Pharmaceutical Biotechnology
04.05.2024 (Saturday)	02.30Pm-04.00Pm	Quality Assurance

IV. B. PHARM (VIII Semester) I SESSIONAL THEORY EXAMINATION

Date	Time	Subject
29.04.2024 (Monday)	02.30Pm-04.00Pm	Biostatistics and Research Methodology
30.04.2024 (Tuesday)	02.30Pm-04.00Pm	Social and Preventive Pharmacy
01.05.2024 (Wednesday)	02.30Pm-04.00Pm	Elective Subject - GROUP-I
02.05.2024 (Thursday)	02.30Pm-04.00Pm	Elective Subject - GROUP-II



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Dr. N. SENTHILKUMAR, Ph.D.,
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06.02.2024

Pharm. D (II & IV YEAR) I Sessional Theory Examination FEB 2024

STAFF DUTY LIST

DATE	SESSION (AN)	MAIN EXAM HALL
12.02.2024 (Monday)	02.30Pm-04.00Pm	PRIYANKA.M CHITRA.A
13.02.2024 (Tuesday)	02.30Pm-04.00Pm	ARULPRAKASAM.K.C BALAJI.K
14.02.2024 (Wednesday)	02.30Pm-04.00Pm	ANBUKARASI.V SURESH KANNAN.V
15.02.2024 (Thursday)	02.30Pm-04.00Pm	MAHESH REDDY.C GLADY GLORIA GRANT.C. J
16.02.2024 (Friday)	02.30Pm-04.00Pm	NIRMALA.S SRI PRIYA.T. K
17.02.2024 (Saturday)	02.30Pm-04.00Pm	KANNAN.R ARUN BABU

NOTE: Alternate should be arranged by concerned staff and changes with sign of alternate staff, intimate to the sessional board.



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06.02.2024

Pharm. D (I, III & V YEAR) I Sessional Theory Examination FEB 2024

STAFF DUTY LIST

DATE	SESSION (FN)	MAIN EXAM HALL
12.02.2024 (Monday)	10.30 Am- 12.00 Pm	RAGAVI.P SURESH.V KALAISELVI.P
13.02.2024 (Tuesday)	10.30 Am- 12.00 Pm	GAYATRI. P SOMIREDDY SIVAKAMESWARI HARISH KUMAR
14.02.2024 (Wednesday)	10.30 Am- 12.00 Pm	THAMOTHARAN. G KOPPERUNDEVI KAVIBHARATHI.S
15.02.2024 (Thursday)	10.30 Am- 12.00 Pm	VENKATACHALAM.T THILAGAM.E
16.02.2024 (Friday)	10.30 Am- 12.00 Pm	DEEPAN. N NAOMI.L
17.02.2024 (Saturday)	10.30 Am- 12.00 Pm	MUTHUKUMARAN.G

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23.04.2024

I B. Pharm (II SEMESTER) I Sessional Theory Examination April 2024

Dr. N. SENTHILKUMAR, Ph.D.,
Principal

STAFF DUTY LIST

DATE	SESSION (FN)	MAIN EXAM HALL
29.04.2024 (Monday)	10.30 Am- 12.00 Pm	VENKATACHALAM.T VENUGOPAL THILAGAM.E
30.04.2024 (Tuesday)	10.30 Am- 12.00 Pm	THAMOTHARAN. G SUMATHI.K VETRIVEL KRISHNAN
01.05.2024 (Wednesday)	10.30 Am- 12.00 Pm	DEEPAN. N SURESH KANNAN.V PRASATH.K
02.05.2024 (Thursday)	10.30 Am- 12.00 Pm	THAMOTHARAN. G CHANDRA.S ANBARASI.B
03.05.2024 (Friday)	10.30 Am- 12.00 Pm	SRINIVASAN. A GAYATRI. P SOMIREDDY SIVAKAMESWARI
04.05.2024 (Saturday)	10.30 Am- 12.00 Pm	DEEPAN. N NAOMIL SURESH.V

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23.04.2024

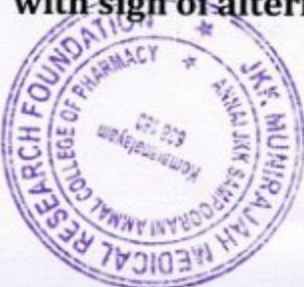
III B. Pharm (VI SEMESTER) I Sessional Theory Examination April 2024

Dr. N. SENTHILKUMAR, Ph.D.,
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STAFF DUTY LIST

DATE	SESSION (AN)	MAIN EXAM HALL
29.04.2024 (Monday)	02.30Pm-04.00Pm	THAMOTHARAN. G SUMATHI.K SREELEKHA.K
30.04.2024 (Tuesday)	02.30Pm-04.00Pm	DEEPAN. N SURESH KANNAN.V RAGAVI.P
01.05.2024 (Wednesday)	02.30Pm-04.00Pm	VENKATACHALAM.T VENUGOPAL THILAGAME.E
02.05.2024 (Thursday)	02.30Pm-04.00Pm	DEEPAN. N SENTHIL KUMAR.B SURESH.V
03.05.2024 (Friday)	02.30Pm-04.00Pm	THAMOTHARAN. G JAGANATHAN.K SENTHIL.M
04.05.2024 (Saturday)	02.30Pm-04.00Pm	SRINIVASAN. A GAYATRI. P SOMIREDDY SIVAKAMESWARI

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I B. Pharm (II SEMESTER) I Sessional Theory Examination April 2024

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04.05.2024 (Saturday)	10.30 Am- 12.00 Pm	DEEPAN. N NAOMIL SURESH.V

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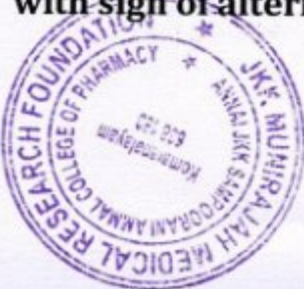
III B. Pharm (VI SEMESTER) I Sessional Theory Examination April 2024

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STAFF DUTY LIST

DATE	SESSION (AN)	MAIN EXAM HALL
29.04.2024 (Monday)	02.30Pm-04.00Pm	THAMOTHARAN. G SUMATHI.K SREELEKHA.K
30.04.2024 (Tuesday)	02.30Pm-04.00Pm	DEEPAN. N SURESH KANNAN.V RAGAVI.P
01.05.2024 (Wednesday)	02.30Pm-04.00Pm	VENKATACHALAM.T VENUGOPAL THILAGAME.E
02.05.2024 (Thursday)	02.30Pm-04.00Pm	DEEPAN. N SENTHIL KUMAR.B SURESH.V
03.05.2024 (Friday)	02.30Pm-04.00Pm	THAMOTHARAN. G JAGANATHAN.K SENTHIL.M
04.05.2024 (Saturday)	02.30Pm-04.00Pm	SRINIVASAN. A GAYATRI. P SOMIREDDY SIVAKAMESWARI

NOTE: Alternate should be arranged by concerned staff and changes with sign of alternate staff, intimate to the sessional board.



Dr. N. SENTHILKUMAR,
PRINCIPAL

JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION
ANNAL JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY
ETHIRMEDU, KOMARAPALAYAM - 638 183.
NAMAKKAL DISTRICT. TAMILNADU. INDIA.



J.K.K.MUNIRAJAH MEDICAL RESEARCH FOUNDATION'S ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY

Ethirmedu, B.Komarapalayam – 638 183, Namakkal Dist. Tamilnadu. India
Approved by : Pharmacy Council of India, New Delhi & The Tamilnadu Dr.M.G.R Medical University, Chennai.
Website : www.jkkmmrfpharmacy.edu.in | E-Mail : principal@jkkmmrfpharmacy.edu.in
Contact No. : +919789456750, +919943069944, +919943066944

Table-XIII: Tentative schedule of end semester examinations

Semester	For Regular Candidates	For Failed Candidates
I, III, V and VII	November / December	May / June
II, IV, VI and VIII	May / June	November / December

Question paper pattern for end semester theory examinations

For 75 marks paper

I. Multiple Choice Questions(MCQs)	=	20 x 1 = 20
OR		
Objective Type Questions (10 x 2)	=	10 x 2 = 20
(Answer all the questions)		
II. Long Answers (Answer 2 out of 3)	=	2 x 10 = 20
III. Short Answers (Answer 7 out of 9)	=	7 x 5 = 35
Total	=	75 marks

For 50 marks paper

I. Long Answers (Answer 2 out of 3)	=	2 x 10 = 20
II. Short Answers (Answer 6 out of 8)	=	6 x 5 = 30
Total	=	50 marks

For 35 marks paper

I. Long Answers (Answer 1 out of 2)	=	1 x 10 = 10
II. Short Answers (Answer 5 out of 7)	=	5 x 5 = 25
Total	=	35 marks

Question paper pattern for end semester practical examinations

I. Synopsis	=	5
II. Experiments	=	25
III. Viva voce	=	5
Total	=	35 marks



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Dr. N. SENTHILKUMAR,
PRINCIPAL,

JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY,
ETHIRMEDU, KOMARAPALAYAM - 638 183,
NAMAKKAL DISTRICT, TAMILNADU.

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**JKKMMRF'S- ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY
KOMARAPALAYAM
SUBJECT: PHARMACOGNOSY AND PHYTOCHEMISTRY-I
YEAR: II. B. PHARM- IV- SEM. 2023
SESSIONAL: FIRST SESSIONAL THEORY EXAM**

Time: 1.30 Hours

Maximum: 30 marks

- I. Elaborate on: Answer any One question. (1 x 10 =10)**
1. Define evaluation of crude drugs. Write any two methods of evaluation of crude drugs.
 2. Explain the factors influence the cultivation of medicinal plants.
- II. Write notes on: Answer any Two questions. (2 x 5 =10)**
1. What are plant growth regulators? Give example.
 2. Write short notes on cultivation of crude drugs.
 3. Explain in detail on Siddha system of medicine.
- III. Short answers on: Answer ALL questions. (5 x 2 =10)**
1. Define the term Pharmacognosy.
 2. How potencies are prepared in Homeopathy system of medicine?
 3. Define adulteration.
 4. List out drying methods of crude drugs.
 5. Define polyploidy.

**JKKMMRF'S- ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY
KOMARAPALAYAM
SUBJECT: PHARMACOGNOSY AND PHYTOCHEMISTRY-I
YEAR: II. B. PHARM- IV- SEM. 2023
SESSIONAL: FIRST SESSIONAL THEORY EXAM**

Time: 1.30 Hours

Maximum: 30 marks

- I. Elaborate on: Answer any One question. (1 x 10 =10)**
1. Define evaluation of crude drugs. Write any two methods of evaluation of crude drugs.
 2. Explain the factors influence the cultivation of medicinal plants.
- II. Write notes on: Answer any Two questions. (2 x 5 =10)**
1. What are plant growth regulators? Give example.
 2. Write short notes on cultivation of crude drugs.
 3. Explain in detail on Siddha system of medicine.
- III. Short answers on: Answer ALL questions. (5 x 2 =10)**
1. Define the term Pharmacognosy.
 2. How potencies are prepared in Homeopathy system of medicine?
 3. Define adulteration.
 4. List out drying methods of crude drugs.
 5. Define polyploidy.




Dr. N.SENTHILKUMAR,
PRINCIPAL

**JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY
ETHIRMEDU, KOMARAPALAYAM - 638 183.
NAMAKKAL DISTRICT, TAMILNADU, INDIA.**

JKKMMRF's – Annai JKK Sampoorani Ammal College of Pharmacy, B.Komarapalayam.

Subject Name: BIOCHEMISTRY

Year: I- B.PHARM II SEM (2023)

Sessional: I- Theory Exam

Time 1.30 Hours

Total Marks: 30

I. LONG ANSWER (Answer any one question)

(1 X 10 = 10)

1. Explain a detailed note on Electron Transport Chain (ETC).
2. Define carbohydrates and classify them with examples. Illustrate the citric acid cycle pathway.

II.SHORT ANSWER (Answer any two questions)

(2 X 5 = 10)

1. Distinguish between competitive & Non- competitive Enzyme inhibitors with examples.
2. Discuss about Oxidative Phosphorylation.
3. Discuss and detail about the Redox potential.

III.VERY SHORT ANSWER (Answer all questions)

(5 X 2 = 10)

1. Define Isoenzyme.
2. Write a short note on Gluconeogenesis.
3. What is mutarotation?
4. Write the significance of ATP?
5. Define Entropy and enthalphy

JKKMMRF's – Annai JKK Sampoorani Ammal College of Pharmacy, B.Komarapalayam.

Subject Name: BIOCHEMISTRY

Year: I- B.PHARM II SEM (2023)

Sessional: I- Theory Exam

Time 1.30 Hours

Total Marks: 30

I. LONG ANSWER (Answer any one question)

(1 X 10 = 10)

1. Explain a detailed note on Electron Transport Chain (ETC).
2. Define carbohydrates and classify them with examples. Illustrate the citric acid cycle pathway.

II.SHORT ANSWER (Answer any two questions)

(2 X 5 = 10)

1. Distinguish between competitive & Non- competitive Enzyme inhibitors with examples.
2. Discuss about Oxidative Phosphorylation.
3. Discuss and detail about the Redox potential.

III.VERY SHORT ANSWER (Answer all questions)

(5 X 2 = 10)

1. Define Isoenzyme.
2. Write a short note on Gluconeogenesis.
3. What is mutarotation?
4. Write the significance of ATP?
5. Define Entropy and enthalphy



**Dr. N.SENTHILKUMAR,
PRINCIPAL**

**JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY
ETHIRMEDU, KOMARAPALAYAM - 638 193.
NAMAKKAL DISTRICT, TAMILNADU, INDIA.**

B.PHARMACY SEMESTER EXAMINATIONS

MARCH 2023 SESSION

(Examination held on AUGUST 2023)

I to VIII Semester

TIME TABLE

(for all Candidates admitted upto 2022-2023)

Day	Date and Time	Paper	Subjects	Q.P. Code
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PHARMACY
UNDER GRADUATE DEGREE COURSE
B.PHARM (SEMESTER) EXAMINATIONS (2017 Regulation)

FIRST SEMESTER

Tue	12-09-2023 9.30 am to 12.30 pm	I	Human Anatomy and Physiology I	562001 101 ✓
Wed	13-09-2023 9.30 am to 12.30 pm	II	Pharmaceutical Analysis I	562003 111 ✓
Thu	14-09-2023 9.30 am to 12.30 pm	III	Pharmaceutics I	562005 102 ✓
Fri	15-09-2023 9.30 am to 12.30 pm	IV	Pharmaceutical Inorganic Chemistry	562007 100 ✓

Non University Exam

Mon	18-09-2023	V	Communication Skill (Theory)	562009 94
Tue	19-09-2023	VI	Communication Skill (Practical)	562010 94
Wed	20-09-2023	VII	Remedial Biology(Theory)	562011 07
		VIII	Remedial Biology (Practical)	562012 07
		IX	Remedial Mathematics (Theory)	562013 19



Dr. N.SENTHILKUMAR,
PRINCIPAL

JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY
ETHIRMEDU, KOMARAPALAYAM - 638 183.
NAMAKKAL DISTRICT, TAMILNADU, INDIA.

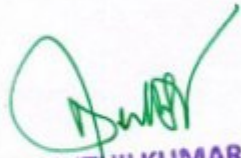
SECOND SEMESTER

Fri	01-09-2023 9.30 am to 12.30 pm	I	Human Anatomy and Physiology II	562014	101	100
Mon	04-09-2023 9.30 am to 12.30 pm	II	Pharmaceutical Organic Chemistry I	562016	103	100 +6
Tue	05-09-2023 9.30 am to 12.30 pm	III	Biochemistry	562018	101	100 +6
Thu	07-09-2023 9.30 am to 12.30 pm	IV	Pathophysiology	562020	100	✓

Non University Exam

Thu	21-09-2023	V	Computer Application In Pharmacy (Theory)	562021	99
Fri	22-09-2023	VI	Computer Application In Pharmacy (Practical)	562022	99
Mon	25-09-2023	VII	Environmental Sciences (Theory)	562023	99




Dr. N.SENTHILKUMAR,
PRINCIPAL
 JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION
 ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY
 ETHIRMEDU, KOMARAPALAYAM - 638 183.
 NAMAKKAL DISTRICT, TAMILNADU, INDIA.

THIRD SEMESTER

Tue	12-09-2023 2.00 pm to 5.00 pm	I	Pharmaceutical Organic Chemistry II	562031	20 ✓
Wed	13-09-2023 2.00 pm to 5.00 pm	II	Physical Pharmaceutics I	562033	13 ✓
Thu	14-09-2023 2.00 pm to 5.00 pm	III	Pharmaceutical Microbiology	562035	10 ✓
Fri	15-09-2023 2.00 pm to 5.00 pm	IV	Pharmaceutical Engineering	562037	10 ✓ 25

Non University Exam
(for Lateral Entry Candidates Only)

Mon	18-09-2023	V	Communication Skill (Theory)	562009	5
Tue	19-09-2023	VI	Communication Skill (Practical)	562010	5



Dr. N.SENTHILKUMAR,
PRINCIPAL

JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY
ETHIRMEDU, KOMARAPALAYAM - 638 183.
NAMAKKAL DISTRICT, TAMILNADU, INDIA.

FOURTH SEMESTER

Fri	01-09-2023 2.00 pm to 5.00 pm	I	Pharmaceutical Organic Chemistry III	562039	100+15 108
Mon	04-09-2023 2.00 pm to 5.00 pm	II	Medicinal Chemistry I	562040	112 ² ₁₀
Tue	05-09-2023 2.00 pm to 5.00 pm	III	Physical Pharmaceutics II	562042	110 ¹⁰ ₁₅
Thu	07-09-2023 2.00 pm to 5.00 pm	IV	Pharmacology I	562044	111 ✓
Fri	08-09-2023 2.00 pm to 5.00 pm	V	Pharmacognosy and Phytochemistry I	562046	108 ✓

Non University Exam
(for Lateral Entry Candidates only)

Thu	21-09-2023	VI	Computer Application In Pharmacy (Theory)	562021	11
Fri	22-09-2023	VII	Computer Application In Pharmacy (Practical)	562022	11



(Signature)
Dr. N.SENTHILKUMAR,
PRINCIPAL

JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION
ANNAI JKK SAMPOORANI ANIMAL COLLEGE OF PHARMACY
ETHIRIMEDU, KOMARAPALAYAM - 638 193.
NALAKKAL DISTRICT, TAMILNADU, INDIA.

FIFTH SEMESTER

Tue	12-09-2023 9.30 am to 12.30 pm	I	Medicinal Chemistry II	562051	58 ⁵
Wed	13-09-2023 9.30 am to 12.30 pm	II	Industrial Pharmacy I	562052	59
Thu	14-09-2023 9.30 am to 12.30 pm	III	Pharmacology II	562054	812
Fri	15-09-2023 9.30 am to 12.30 pm	IV	Pharmacognosy and Phytochemistry II	562056	610
Mon	18-09-2023 9.30 am to 12.30 pm	V	Pharmaceutical Jurisprudence	562058	36

SIXTH SEMESTER

Fri	01-09-2023 9.30 am to 12.30 pm	I	Medicinal Chemistry III	562059	2730
Mon	04-09-2023 9.30 am to 12.30 pm	II	Pharmacology III	562061	2020
Tue	05-09-2023 9.30 am to 12.30 pm	III	Herbal Drug Technology	562063	910
Thu	07-09-2023 9.30 am to 12.30 pm	IV	Biopharmaceutics and Pharmacokinetics	562065	2020
Fri	08-09-2023 9.30 am to 12.30 pm	V	Pharmaceutical Biotechnology	562066	202
Mon	11-09-2023 9.30 am to 12.30 pm	VI	Quality Assurance	562067	1212



Dr. N.SENTHILKUMAR,
PRINCIPAL

JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY
ETHIRMEDU, KOMARAPALAYAM - 633 183.
NAINAKKAL DISTRICT, TAMILNADU, INDIA.

SEVENTH SEMESTER

Tue	12-09-2023 2.00 pm to 5.00 pm	I	Instrumental Methods of Analysis	562071	848
Wed	13-09-2023 2.00 pm to 5.00 pm	II	Industrial Pharmacy	562073	83100
Thu	14-09-2023 2.00 pm to 5.00 pm	III	Pharmacy Practice	562074	8381
Fri	15-09-2023 2.00 pm to 5.00 pm	IV	Novel Drug Delivery System	562075	889

Non University Exam

Tue	26-09-2023	V	Practice School (Theory)	562076	82
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Dr. N.SENTHILKUMAR,
PRINCIPAL

JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY
ETHIRMEDU, KOMARAPALAYAM - 635 183.
NAMAKKAL DISTRICT, TAMILNADU, INDIA.

EIGHTH SEMESTER

Mon	28-08-2023 9.30 am to 12.30 pm	I	Biostatistics and Research Methodology	562077	1313
Tue	29-08-2023 9.30 am to 12.30 pm	II	Social and Preventive Pharmacy	562078	113+8

**GROUP - I
ELECTIVE PAPER**

Wed	30-08-2023 9.30 am to 12.30 pm	III	Quality Control and Standardization of Herbs	562082	4 } 5
		IV	Computer Aided Drug Design	562083	4 } 4
		V	Cell and Molecular Biology	562084	2 2 } 16
		VI	Pharmacological Screening Methods	562086	2 2 } 2
		VII	Advanced Instrumentation Techniques	562087	1 } 2
		VIII	Pharmaceutical Product Development	562089	3 } 3

**GROUP - II
ELECTIVE PAPER**

Thu	31-08-2023 9.30 am to 12.30 pm	IX	Pharma Marketing Management	562079	1 } 1
		X	Pharmaceutical Regulatory Science	562080	1 } 1
		XI	Pharmacovigilance	562081	2 } 2 11
		XII	Cosmetic Science	562085	2 } 2
		XIII	Dietary Supplements and Nutraceuticals	562088	5 } 6



Dr. N.SENTHILKUMAR,
PRINCIPAL

JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION
ANNAI JKK SUNDARAJAN COLLEGE OF PHARMACY
CONTROLLER OF EXAMINATIONS
ETHIRMEDU, KOMARAPALAYAM - 638 183.
NAMAKKAL DISTRICT, TAMILNADU, INDIA.



INTEGRATED DEGREE COURSE

PHARM. D EXAMINATIONS (2009-2010 Regulation)

PHARM D EXAMINATIONS I TO V YEAR AND PHARM.D (P.B.) IV & V YEAR

OCTOBER 2023 SESSION

(Candidates Admitted upto 2022-2023)

FIRST YEAR

Day	Date and Time	Paper	Subject	Q.P. Code
Tues	31-10-2023 9.30 am to 12.30 pm	I	Human Anatomy and Physiology	383801 33
Wed	01.11.2023 9.30 am to 12.30 pm	II	Pharmaceutics	383802 30
Fri	03.11.2023 9.30 am to 12.30 pm	III	Medicinal Bio-Chemistry	383803 30
Mon	06.11.2023 9.30 am to 12.30 pm	IV	Pharmaceutical Organic Chemistry	383804 42
Tue	07.11.2023 9.30 am to 12.30 pm	V	Pharmaceutical Inorganic Chemistry	383805 31
Thur	09.11.2023 9.30 am to 12.30 pm	VI	Remedial Mathematics (OR) Remedial Biology	383806 383831
Fri	10.11.2023 9.30 am to 12.30 pm	VI	<u>Non-University Exam</u> Remedial Mathematics (OR) Remedial Biology	383832 8 383833 2
<u>SECOND YEAR</u>				
Mon	16-10-2023 9.30 am to 12.30 pm	I	Pathophysiology	383807
Tue	17.10.2023 9.30 am to 12.30 pm	II	Pharmaceutical Microbiology	383808 1
Thur	19.10.2023 9.30 am to 12.30 pm	III	Pharmacognosy & Phytopharmaceuticals	383809 1
Fri	20.10.2023 9.30 am to 12.30 pm	IV	Pharmacology-I	383810 2
Wed	25.10.2023 9.30 am to 12.30 pm	V	Community Pharmacy	383811 1
Thur	26.10.2023 9.30 am to 12.30 pm	VI	Pharmacotherapeutics-I	383812 3



Dr. N.SENTHILKUMAR,
PRINCIPAL

JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY
ETHIRNEDU, KOMARAPALAYAM - 638 183
NAMAKKAL DISTRICT, TAMILNADU, INDIA.

PHARM. 'D' EXAMINATIONS

THIRD YEAR

Day	Date and Time	Paper	Subject	Q.P. Code
Tues	31-10-2023 2.00 pm to 05.00 pm	I	Pharmacology-II	383813
Wed	01.11.2023 2.00 pm to 05.00 pm	II	Pharmaceutical Analysis	383814 0)
Fri	03.11.2023 2.00 pm to 05.00 pm	III	Pharmacotherapeutics-II	383815
Mon	06.11.2023 2.00 pm to 05.00 pm	IV	Pharmaceutical Jurisprudence	383816
Tue	07.11.2023 2.00 pm to 05.00 pm	V	Medicinal Chemistry	383817 01
Thur	09.11.2023 2.00 pm to 05.00 pm	VI	Pharmaceutical Formulations	383818

PHARM. 'D' AND PHARM. 'D' (POST BACCALAUREATE) EXAMINATIONS

FOURTH YEAR

Mon	16-10-2023 2.00 pm to 05.00 pm	I	Pharmacotherapeutics-III	383819 27
Tue	17.10.2023 2.00 pm to 05.00 pm	II	Hospital Pharmacy	383820 27
Thur	19.10.2023 2.00 pm to 05.00 pm	III	Clinical Pharmacy	383821 27
Fri	20.10.2023 2.00 pm to 05.00 pm	IV	Biostatistics & Research Methodology	383822 27
Wed	25.10.2023 2.00 pm to 05.00 pm	V	Biopharmaceutics & Pharmacokinetics	383823 27
Thur	26.10.2023 2.00 pm to 05.00 pm	VI	Clinical Toxicology	383824 27
Mon	30.10-2023 2.00 pm to 05.00 pm	VII	Pharmacotherapeutics-I & II *	383828

* Pharm. 'D' (Post Baccalaureate) Candidates only



Dr. N. Senthilkumar,
Principal
JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION
A/N: NAI JKK SAMPOORANI ANIMAL COLLEGE OF PHARMACY
ETHIRMEDU, KOMARAPALAYAM - 638 183.
NAMAKKAL DISTRICT, TAMILNADU, INDIA.

FIFTH YEAR

Day	Date and Time	Paper	Subject	Q.P. Code
Tues	31.10.2023 9.30 am to 12.30 pm	I	Clinical Research	383825 29
Wed	01.11.2023 9.30 am to 12.30 pm	II	Pharmacoepidemiology and Pharmacoeconomics	383826 29
Fri	03.11.2023 9.30 am to 12.30 pm	III	Clinical Pharmacokinetics & Pharmacotherapeutic Drug Monitoring	383827 29

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CONTROLLER OF EXAMINATIONS



Dr. N.SENTHILKUMAR,
PRINCIPAL

JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY
ETHIRMEDU, KOMARAPALAYAM - 639 183,
NAMAKKAL DISTRICT, TAMILNADU, INDIA.

TIME TABLE

POST GRADUATE DEGREE COURSE

M.PHARM. EXAMINATIONS

NEW REGULATIONS 2016 (CBSS) IMPLEMENTED BY THE PHARMACY COUNCIL OF INDIA,
NEW DELHI .

APRIL 2024 SESSION EXAMINATIONS CONDUCTED DURING MAY 2024

SEMESTER I

(PHARMACEUTICS - MPH)

Mon	20.05.2024 02.00 pm to 05.00 pm	I	MODERN PHARMACEUTICAL ANALYTICAL TECHNIQUES	262931
Tue	21.05.2024 02.00 pm to 05.00 pm	II	DRUG DELIVERY SYSTEM	262932
Thu	23.05.2024 02.00 pm to 05.00 pm	III	MODERN PHARMACEUTICS	262933
Fri	24.05.2024 02.00 pm to 05.00 pm	IV	REGULATORY AFFAIR	262934

(PHARMACEUTICAL CHEMISTRY - MPC)

Mon	20.05.2024 02.00 pm to 05.00 pm	I	MODERN PHARMACEUTICAL ANALYTICAL TECHNIQUES	262941
Tue	21.05.2024 02.00 pm to 05.00 pm	II	ADVANCED ORGANIC CHEMISTRY I	262942
Thu	23.05.2024 02.00 pm to 05.00 pm	III	ADVANCED MEDICINAL CHEMISTRY	262943
Fri	24.05.2024 02.00 pm to 05.00 pm	IV	CHEMISTRY OF NATURAL PRODUCTS	262944




Dr. N. SENTHILKUMAR,
PRINCIPAL

JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY
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NAMAKKAL DISTRICT, TAMILNADU, INDIA.

Day	Date and Time	Paper	Subjects	Q.P. Code
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(PHARMACEUTICAL ANALYSIS - MPA)

Mon	20.05.2024 02.00 pm to 05.00 pm	I	MODERN PHARMACEUTICAL ANALYTICAL TECHNIQUES	262951
Tue	21.05.2024 02.00 pm to 05.00 pm	II	ADVANCED PHARMACEUTICAL ANALYSIS	262952
Thu	23.05.2024 02.00 pm to 05.00 pm	III	PHARMACEUTICAL VALIDATION	262953
Fri	24.05.2024 02.00 pm to 05.00 pm	IV	FOOD ANALYSIS	262954

(PHARMACEUTICAL BIOTECHNOLOGY - MPB)

Mon	20.05.2024 02.00 pm to 05.00 pm	I	MODERN PHARMACEUTICAL ANALYTICAL TECHNIQUES	262961
Tue	21.05.2024 02.00 pm to 05.00 pm	II	MICROBIAL AND CELLULAR BIOLOGY	262962
Thu	23.05.2024 02.00 pm to 05.00 pm	III	BIOPROCESS ENGINEERING AND TECHNOLOGY	262963
Fri	24.05.2024 02.00 pm to 05.00 pm	IV	ADVANCED PHARMACEUTICAL BIOTECHNOLOGY	262964




Dr. N.SENTHILKUMAR,
PRINCIPAL
 JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION
 ANNAL JKK SAMPOORANI ANNAL COLLEGE OF PHARMACY
 ETHIRMEDU, KOMARAPALAYAM - 638 183.
 NAMAKKAL DISTRICT, TAMILNADU, INDIA.

Day	Date and Time	Paper	Subjects	Q.P. Code
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(PHARMACY PRACTICE - MPP)

Mon	20.05.2024 02.00 pm to 05.00 pm	I	CLINICAL PHARMACY PRACTICE	262971
Tue	21.05.2024 02.00 pm to 05.00 pm	II	PHARMACOTHERAPEUTICS-I	262972
Thu	23.05.2024 02.00 pm to 05.00 pm	III	HOSPITAL AND COMMUNITY PHARMACY	262973
Fri	24.05.2024 02.00 pm to 05.00 pm	IV	CLINICAL RESEARCH	262974

(PHARMACOLOGY - MPL)

Mon	20.05.2024 02.00 pm to 05.00 pm	I	MODERN PHARMACEUTICAL ANALYTICAL TECHNIQUES	262981
Tue	21.05.2024 02.00 pm to 05.00 pm	II	ADVANCED PHARMACOLOGY - I	262982
Thu	23.05.2024 02.00 pm to 05.00 pm	III	PHARMACOLOGICAL AND TOXICOLOGICAL SCREENING METHODS - I	262983
Fri	24.05.2024 02.00 pm to 05.00 pm	IV	CELLULAR AND MOLECULAR PHARMACOLOGY	262984




Dr. N.SENTHILKUMAR,
PRINCIPAL
 JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION
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 NAMAKKAL DISTRICT, TAMILNADU, INDIA.

(PHARMACOGNOSY - MPG)

Mon	20.05.2024 02.00 pm to 05.00 pm	I	MODERN PHARMACEUTICAL ANALYTICAL TECHNIQUES	262991
Tue	21.05.2024 02.00 pm to 05.00 pm	II	ADVANCED PHARMACOGNOSY - I	262992
Thu	23.05.2024 02.00 pm to 05.00 pm	III	PHYTOCHEMISTRY	262993
Fri	24.05.2024 02.00 pm to 05.00 pm	IV	INDUSTRIAL PHARMACOGNOSTICAL TECHNOLOGY	262994

(PHARMACEUTICAL REGULATORY AFFAIRS - MRA)

Mon	20.05.2024 02.00 pm to 05.00 pm	I	GOOD REGULATORY PRACTICES	263001
Tue	21.05.2024 02.00 pm to 05.00 pm	II	DOCUMENTATION AND REGULATORY WRITING	263002
Thu	23.05.2024 02.00 pm to 05.00 pm	III	CLINICAL RESEARCH REGULATIONS	263003
Fri	24.05.2024 02.00 pm to 05.00 pm	IV	REGULATIONS AND LEGISLATION FOR DRUGS & COSMETICS, MEDICAL DEVICES, BIOLOGICALS & HERBALS AND FOOD & NUTRACEUTICALS IN INDIA AND INTELLECTUAL PROPERTY RIGHTS	263004




Dr. N.SENTHILKUMAR,
PRINCIPAL

JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY
ETHIRMEDU, KOMARAPALAYAM - 638 183.
NAMAKKAL DISTRICT, TAMILNADU, INDIA.

POST GRADUATE DEGREE COURSE

M.PHARM. EXAMINATIONS

NEW REGULATIONS 2016 (CBSS) IMPLEMENTED BY THE PHARMACY COUNCIL OF INDIA,

NEW DELHI.

SEMESTER – II

APRIL 2024 SESSION EXAMINATIONS CONDUCTED DURING MAY 2024

(PHARMACEUTICS - MPH)

Mon	20.05.2024 09.30 am to 12.30 am	I	MOLECULAR PHARMACEUTICS (NANO TECH AND TARGETED DDS)	262935
Tue	21.05.2024 09.30 am to 12.30 am	II	ADVANCED BIOPHARMACEUTICS & PHARMACOKINETICS	262936
Thu	23.05.2024 09.30 am to 12.30 am	III	COMPUTER AIDED DRUG DELIVERY SYSTEM	262937
Fri	24.05.2024 09.30 am to 12.30 am	IV	COSMETIC AND COSMECEUTICALS	262938

(PHARMACEUTICAL CHEMISTRY - MPC)

Mon	20.05.2024 09.30 am to 12.30 am	I	ADVANCED SPECTRAL ANALYSIS	262945
Tue	21.05.2024 09.30 am to 12.30 am	II	ADVANCED ORGANIC CHEMISTRY II	262946
Thu	23.05.2024 09.30 am to 12.30 am	III	COMPUTER AIDED DRUG DESIGN	262947
Fri	24.05.2024 09.30 am to 12.30 am	IV	PHARMACEUTICAL PROCESS CHEMISTRY	262948




Dr. N.SENTHILKUMAR,
PRINCIPAL

JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION
ANNAL JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY
ETHIRMEDU, KOMARPALAYAM - 638 183.
NAMAKKAL DISTRICT, TAMILNADU, INDIA.

Day Date and Time Paper Subjects Q.P. Code

(PHARMACEUTICAL ANALYSIS - MPA)

Mon	20.05.2024 09.30 am to 12.30 am	I	ADVANCED INSTRUMENTAL ANALYSIS	262955
Tue	21.05.2024 09.30 am to 12.30 am	II	MODERN BIO ANALYTICAL TECHNIQUES	262956
Thu	23.05.2024 09.30 am to 12.30 am	III	QUALITY CONTROL AND QUALITY ASSURANCE	262957
Fri	24.05.2024 09.30 am to 12.30 am	IV	HERBAL AND COSMETIC ANALYSIS	262958

(PHARMACEUTICAL BIOTECHNOLOGY - MPB)

Mon	20.05.2024 09.30 am to 12.30 am	I	PROTEINS AND PROTEIN FORMULATION	262965
Tue	21.05.2024 09.30 am to 12.30 am	II	IMMUNOTECHNOLOGY	262966
Thu	23.05.2024 09.30 am to 12.30 am	III	BIOINFORMATICS AND COMPUTER TECHNOLOGY	262967
Fri	24.05.2024 09.30 am to 12.30 am	IV	BIOLOGICAL EVALUATION OF DRUG THERAPY	262968

(PHARMACY PRACTICE - MPP)

Mon	20.05.2024 09.30 am to 12.30 am	I	PRINCIPLES OF QUALITY USE OF MEDICINES	262975
Tue	21.05.2024 09.30 am to 12.30 am	II	PHARMACOTHERAPEUTICS-II	262976
Thu	23.05.2024 09.30 am to 12.30 am	III	CLINICAL PHARMACOKINETICS AND THERAPEUTIC DRUG MONITORING	262977
Fri	24.05.2024 09.30 am to 12.30 am	IV	PHARMACOEPIDEMIOLOGY AND PHARMACOECONOMICS	262978

Day


Date and Time

Paper

Subjects

Q.P. Code




PRINCIPAL
JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION
AMMAL JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY
ETHIRMEDU, KOMARAPALAYAM - 638 183.
NANNIYAL DISTRICT, TAMILNADU, INDIA.

(PHARMACOLOGY - MPL)

Mon	20.05.2024 09.30 am to 12.30 am	I	ADVANCED PHARMACOLGY - II	262985
Tue	21.05.2024 09.30 am to 12.30 am	II	PHARMACOLOGICAL AND TOXICOLOGICAL SCREENING METHODS - II	262986
Thu	23.05.2024 09.30 am to 12.30 am	III	PRINCIPLES OF DRUG DISCOVERY	262987
Fri	24.05.2024 09.30 am to 12.30 am	IV	CLINICAL RESEARCH AND PHARMACOVIGILANCE	262988

(PHARMACOGNOSY - MPG)

Mon	20.05.2024 09.30 am to 12.30 am	I	MEDICINAL PLANT BIOTECHNOLOGY	262995
Tue	21.05.2024 09.30 am to 12.30 am	II	ADVANCED PHARMACOGNOSY - II	262996
Thu	23.05.2024 09.30 am to 12.30 am	III	INDIAN SYSTEM OF MEDICINE	262997
Fri	24.05.2024 09.30 am to 12.30 am	IV	HERBAL COSMETICS	262998

(PHARMACEUTICAL REGULATORY AFFAIRS - MRA)

Mon	20.05.2024 09.30 am to 12.30 am	I	REGULATORY ASPECTS OF DRUGS & COSMETICS	263005
Tue	21.05.2024 09.30 am to 12.30 am	II	REGULATORY ASPECTS OF HERBAL & BIOLOGICALS	263006
Thu	23.05.2024 09.30 am to 12.30 am	III	REGULATORY ASPECTS OF MEDICAL DEVICES	263007
Fri	24.05.2024 09.30 am to 12.30 am	IV	REGULATORY ASPECTS OF FOOD & NUTRACEUTICALS	263008



Dr. N.SENTHILKUMAR,
PRINCIPAL

JJK SAMPURAN ANIMAL COLLEGE OF PHARMACY
ANNAMALAI
ETHIRMEDU, KOMARAPALAYAM - 639 193.
NAMAKKAL DISTRICT, TAMILNADU, INDIA.

Day

Date

Paper

Subjects

Q.P. Code

POST GRADUATE DEGREE COURSE

M.PHARM. EXAMINATIONS

NEW REGULATIONS 2016 (CBSS) IMPLEMENTED BY THE PHARMACY COUNCIL OF INDIA,
NEW DELHI .


SEMESTER – III – (Non University Exam.)

APRIL 2024 SESSION EXAMINATIONS CONDUCTED DURING MAY 2024

BR -I	- PHARMACEUTICS – MPH
BR-II	- PHARMACEUTICAL CHEMISTRY – MPC
BR-III	- PHARMACEUTICAL ANALYSIS – MPA
BR- IV	- PHARMACEUTICAL BIOTECHNOLOGY – MPB
BR-V	- PHARMACY PRACTICE – MPP
BR-VI	- PHARMACOLOGY – MPL
BR- VII	- PHARMACOGNOSY – MPG
BR- VIII	- PHARMACEUTICAL REGULATORY AFFAIRS - MRA

Mon	27-05-2024	I	RESEARCH METHODOLOGY AND BIOSTATSTICS	269913
Wed	28-05-2024	IV	RESEARCH WORK	269916




Dr. N.SENTHILKUMAR,
PRINCIPAL
JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY
ETHIRMEDU, KOMARAPALAYAM - 638 183,
NAMAKKAL DISTRICT, TAMILNADU, INDIA.

Day Date and Time Paper Subjects Q.P. Code

POST GRADUATE DEGREE COURSE

M.PHARM. EXAMINATIONS

APRIL 2024 SESSION EXAMINATIONS CONDUCTED DURING MAY 2024

FIRST YEAR

(COMMON TO ALL BRANCHES)

Mon	20-05.2024 02.00 pm to 5.00 pm	I	Modern Pharmaceutical Analytical Techniques	262901
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SPECIALITY PAPERS

BRANCH-I → PHARMACEUTICS

Tue	21-05.2024 02.00 pm to 05.00 pm	II	Industrial Pharmacy	262902
Thu	23-05.2024 02.00 pm to 05.00 pm	III	Bio-Pharmaceutics and Pharmacokinetics	262903
Fri	24-05.2024 02.00 pm to 05.00 pm	IV	Advances in Drug Delivery System	262904

BRANCH-II → PHARMACEUTICAL CHEMISTRY

Tue	21-05.2024 02.00 pm to 05.00 pm	II	Advanced Organic Chemistry	262905
Thu	23-05.2024 02.00 pm to 05.00 pm	III	Advanced Medicinal Chemistry	262906
Fri	24-05.2024 02.00 pm to 05.00 pm	IV	Natural Products of Medicinal Interest	262907

BRANCH-III → PHARMACOGNOSY

Tue	21-05.2024 02.00 pm to 05.00 pm	II	Pharmacognosy	262908
Thu	23-05.2024 02.00 pm to 05.00 pm	III	Biogenesis and Chemistry of Natural Products	262909
Fri	24-05.2024 02.00 pm to 05.00 pm	IV	Phytochemistry and Biotechnology	262910



Dr. N.SENTHILKUMAR,
PRINCIPAL

JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY
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NAMAKKAL DISTRICT, TAMILNADU, INDIA.

Day	Date and Time	Paper	Subjects	Q.P. Code
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BRANCH-IV --> PHARMACOLOGY

Tue	21-05.2024 02.00 pm to 05.00 pm	II	Pharmacology and Toxicology	262911
Thu	23-05.2024 02.00 pm to 05.00 pm	III	Biological Standardisation and Pharmacological Screening Methods	262912
Fri	24-05.2024 02.00 pm to 05.00 pm	IV	Drug Design and Molecular Pharmacology	262913

BRANCH-V --> PHARMACEUTICAL ANALYSIS

Tue	21-05.2024 02.00 pm to 05.00 pm	II	Pharmaceutical and Cosmetic Analysis	262914
Thu	23-05.2024 02.00 pm to 05.00 pm	III	Advanced Pharmaceutical Analysis	262915
Fri	24-05.2024 02.00 pm to 05.00 pm	IV	Quality Control and Quality Assurance	262916

BRANCH-VI --> PHARMACEUTICAL BIO-TECHNOLOGY


Tue	21-05.2024 02.00 pm to 05.00 pm	II	Pharmaceutical Aspects of Microbial and Cellular Biology	262917
Thu	23-05.2024 02.00 pm to 05.00 pm	III	Bio-process Technology	262918
Fri	24-05.2024 02.00 pm to 05.00 pm	IV	Advances in Pharmaceutical Bio- Technology	262919

BRANCH-VII --> PHARMACY PRACTICE

Tue	21-05.2024 02.00 pm to 05.00 pm	II	Pharmacotherapeutics (Including Pathophysiology)	262920
Thu	23-05.2024 02.00 pm to 05.00 pm	III	Hospital and Community Pharmacy	262921
Fri	24-05.2024 02.00 pm to 05.00 pm	IV	Clinical Pharmacy	262922



Sd/-


Controller of Examinations
PRINCIPAL

JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION
 ANNAL JKK SAMPOORANI ANNAL COLLEGE OF PHARMACY
 ETHIRMEDU, KOMARAPALAYAM - 638 183.
 NAMAKKAL DISTRICT, TAMILNADU, INDIA.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[PHARMD 1023]

OCTOBER 2023

Sub. Code: 3826

PHARM 'D' AND PHARM. 'D' (POST BACCALAUREATE) DEGREE
EXAMINATION
FIFTH YEAR (2009-2010 Regulation)
PAPER II – PHARMACOEPIDEMOLOGY AND PHARMACOECONOMICS

Q.P. Code: 383826

Time : Three hours

Answer ALL Questions

Maximum : 70 Marks

I. Elaborate on:

(4 x 10 = 40)

1. Write a note on origin, aims and applications of Pharmacoepidemiology.
2. Write briefly on defined daily doses and prescribed daily doses as a outcome measurement of Pharmacoepidemiology.
3. Discuss the types of Pharmacoeconomic evaluations.
4. Explain the importance of post marketing surveillance.

II. Write notes on:

(6 x 5 = 30)

1. Write note on Methods of medication adherence measurement.
2. Randomized controlled trials and case control studies.
3. Applications of pharmacoepidemiology and pharmacoeconomics.
4. Clinical importance of drug utilization review.
5. Case Report.
6. Importance of Meta – analysis.



Dr. N.SENTHILKUMAR,
PRINCIPAL

JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION
ANNAI JKK SAMPOORANI ANIMAL COLLEGE OF PHARMACY
ETHIRMEDU, KOMARAPALAYAM - 638 183.
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THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[PHARMD 1023]

OCTOBER 2023

Sub. Code: 3815

PHARM. 'D' DEGREE EXAMINATION
THIRD YEAR (2009-2010 Regulation)
PAPER III – PHARMACOTHERAPEUTICS – II

Q.P. Code: 383815

Time : Three hours

Answer ALL Questions

Maximum : 70 Marks

I. Elaborate on:

(4 x 10 = 40)

1. Discuss various points in establishing guidelines for the rational use of antibiotics.
2. Write the class of drugs used as eradicated agents in the treatment of complicated UTI.
3. What do you know about FAB classification of acute leukemias? Mention the drugs used and the principal toxicities in the initiation and consolidation treatment of acute leukemias.
4. How do you intervene the management of nausea and emesis during chemotherapy?

II. Write notes on:

(6 x 5 = 30)

1. How do you obliterate the protozoal infectious disease malaria?
2. Write a short note on DMARD and mention the toxicities to be monitored for the same.
3. What do you know about TB, mention the first line drug of choice for treating TB?
4. Discuss briefly on etiopathogenesis and therapeutic management of Scabies.
5. Write a brief note on enteric fever and distinguish the term diarrhea and dysentery.
6. Write a note on hepatitis B and its therapeutic management.



Dr. N.SENTHILKUMAR,
PRINCIPAL
JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY
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NAMAKKAL DISTRICT, TAMILNADU, INDIA.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[B.PHARM 0823]

AUGUST 2023
(MARCH 2023 EXAM SESSION)

Sub. Code: 2046

B.PHARMACY DEGREE COURSE (SEMESTER EXAMINATIONS)
PCI Regulation 2017 – SEMESTER IV
PAPER V – PHARMACOGNOSY AND PHYTOCHEMISTRY I

Q.P. Code: 562046

Time: Three hours

Maximum: 75 Marks

I. Elaborate on: Answer any TWO questions.

(2 x 10 = 20)

1. Define Plant Tissue Culture. Write a note on Cell Suspension Culture with a neat labeled diagram.
2. Enumerate in detail about the Adulteration of drugs of Natural Origin with suitable examples.
3. Define Carbohydrates. Write in detail about the pharmacognosy of any one carbohydrate containing crude drugs.

II. Write notes on: Answer any SEVEN questions.

(7 x 5 = 35)

1. Novel medicinal agents obtained from marine origin.
2. Papain.
3. Homeopathy system of medicine.
4. Chemotaxonomy and serotaxonomy.
5. Castor oil.
6. Applications of secondary plant metabolites.
7. Define alkaloids and mention the chemical classification of alkaloids.
8. Factors influencing cultivation of medicinal plants.
9. Vegetable fibers.

III. Short answers on: Answer ALL questions.

(10 x 2 = 20)

1. Biotransformation.
2. Types of stomata.
3. Ash value.
4. Keller kiliani test.
5. CUOXAM test.
6. Chinese system of medicine.
7. Name the Leguminaceous drugs.
8. Hemp.
9. Define secondary metabolites and examples.
10. Structure of glucose.



Dr. N.SENTHILKUMAR,
PRINCIPAL

JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY
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[B.PHARM 0823]

AUGUST 2023
(MARCH 2023 EXAM SESSION)

Sub. Code: 2018

B.PHARMACY DEGREE COURSE (SEMESTER EXAMINATIONS)
PCI Regulation 2017 – SEMESTER II
PAPER III – BIOCHEMISTRY

Q.P. Code: 562018

Time: Three hours

Maximum: 75 Marks

I. Elaborate on: Answer any TWO questions.

(2 x 10 = 20)

1. Define and classify nucleic acid. Explain the biosynthesis of pyrimidine nucleotides.
2. Explain the conversion of cholesterol into bile acids
3. What are Coenzymes, structure and Biochemical function of coenzyme.

II. Write notes on: Answer any SEVEN questions.

(7 x 5 = 35)

1. Glyconeogenesis pathway and its significance.
2. Oxidative phosphorylation and its mechanism.
3. Reactions of amino acid metabolism.
4. DNA replication.
5. Biosynthesis of purine nucleotides.
6. Applications of enzymes.
7. Catabolism of tyrosine and phenylalanine and their metabolic disorders.
8. Enzyme inhibitors with examples.
9. Properties of enzymes.

III. Short answers on: Answer ALL questions.

(10 x 2 = 20)

1. Glycolysis.
2. ETC.
3. Significance of ATP & cyclic AMP.
4. Identification test for protein.
5. Hypercholesterolemia.
6. Hyperbilirubinemia.
7. Gout disease.
8. Endergonic and Exergonic reactions.
9. Transamination.
10. Redox potential.



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PRINCIPAL

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ETHIRMEDU, KOMARAPALAYAM - 638 193.
NAMAKKAL DISTRICT, TAMILNADU, INDIA.