



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

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

Ethirmedi, B.Komarpalayam - 638 183, Namakkal Dist, Tamilnadu, India
Approved by : Pharmacy Council of India, New Delhi & The Tamilnadu Dr. M.G.R Medical University, Chennai.
Contact No. : +910789456750, +919943069044, +919943069044

Academic Calendar 2021-2022

DAY	Jun.21	July.21	Aug.21	Sep.21	Oct.21	Nov.21	Dec.21	Jan.21	Feb.22	Mar.21	Apr.22	May.21
Sunday			1 (BAKRID)									3 (Workers day)
Monday			2			1st working day for 1st sem B.Pharm						2
Tuesday			3						1(2nd sessional for 1,3,5,7,sem B.Pharm)			3
Wednesday	1		4	1		3	1		2			4
Thursday	2	1	5	2		4	2		3		3(Local festival)	5
Friday	3	2	6	3	1	5	3		4		4(Local festival)	6(Summer vacation)
Saturday	4	3	7	4	2(Gandhi Jayanthi)	6	4	1(New year)	5		5	7
Sunday	5	4	8	5	3	7	5	2	6	6	6	8
Monday	6	5	9	6(2nd sessional for 2,4,6,8sem B.Pharm)	4(1st working day for 1st sem B.Pharm)	8	6(1st sessional for 1,3,5,7,sem B.Pharm)	3(1st sessional for 1sem M.Pharm)	7		7	9
Tuesday	7	6	10	7	5	9	7	4	8		8	10
Wednesday	8	7	11(Cokita astami)	8	6	10	8	5	9		9	11
Thursday	9	8	12	9	7	11	9	6	10		10	12
Friday	10	9	13	10	8	12	10	7	11		11	13
Saturday	11	10	14	11	9	13(Diwali holidays)	11	8	12		12	14
Sunday	12	11	15(Infancia dies)	12	10	14(Diwali holidays)	12	9	13		13	15
Monday	13(2nd sessional for pharm.D)	12	16	13(3rd sessional for pharm.D)	11	15(Diwali holiday)	13	10(Pongal holiday)	14(1st sessional for pharm.D)	14	11	16
Tuesday	14	13	17	14	12	16(Diwali holiday)	14	11(Pongal holiday)	15	15	12	17
Wednesday	15	14	18	15	13	17	15	12(Pongal holiday)	16	16	13	18
Thursday	16	15	19	16	14	18	16	13(Pongal holiday)	17	17	14(Tamil New year)	19
Friday	17	16	20	17	15	19	17	14(Pongal holiday)	18	18	15(Good Friday)	20
Saturday	18	17	21	18	16	20	18	15(Pongal holiday)	19	19	16	21
Sunday	19	18	22(Vinayakar chathurthi)	19	17	21	19	16(Pongal holiday)	20	20	17	22
Monday	20(1st sessional for 2,4,6,8sem B.Pharm)	19	23	20(2nd sessional for 2SEM M.Pharm)	18	22	20	17(Pongal holiday)	21	21	18	23
Tuesday	21	20	24	21	19	23	21	18	22	22	19	24
Wednesday	22	21	25	22	20	24	22	19	23	23	20	25
Thursday	23	22	26	23	21	25	23	20	24	24	21	26
Friday	24	23	27	24	22(1st working day for 2sem M.Pharm)	26	24	21	25	25	22	27
Saturday	25	24	28	25	23	27	25	22	26(2nd working day for 1,3,5,7sem B.Pharm)	26	23	28
Sunday	26	25	29	26	24(Pooja holiday)	28	26	23	27	27	24	29
Monday	27	26	30	27	25(Pooja holiday)	29	27	24	28	28	25	30
Tuesday	28	27	31	28	26(Pooja holiday)	30	28	25	29	29	26	31
Wednesday	29	28		29	27(Pooja holiday)		29	26	30	30	27	
Thursday	30	29		30(1st working day for Pharm.D)	28(Pooja holiday)		30	27	31	31	28	
Friday	31	30			29(Pooja holiday)		31	28			29	
Saturday		31			30(Pooja holiday)			29			30	
Sunday					31(Pooja holiday)			30				
Monday								31				

- FIRST WORKING DAY
- LAST WORKING DAY
- HOLIDAYS
- SESSIONALS
- WEEK DAY



(Signature)

Dr. N.SENTHILKUMAR,
PRINCIPAL
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CIRCULAR

Ref.no: BPY/IAT-04/2021

16.12.2021

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 **03.01.2022 -06.01.2022**.

- 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 **27.12.2021**.
- 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 28.12.2021**.



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

PHARMACEUTICS

Date	Time	Subject
03.01.2022 (Monday)	10.30 Am- 11.30 Am	Modern Pharmaceutical Analytical Techniques
04.01.2022 (Tuesday)	10.30 Am- 11.30 Am	Drug Delivery System
05.01.2022 (Wednesday)	10.30 Am- 11.30 Am	Modern Pharmaceutics
06.01.2022 (Thursday)	10.30 Am- 11.30 Am	Regulatory Affair

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

PHARMACEUTICAL CHEMISTRY

Date	Time	Subject
03.01.2022 (Monday)	10.30 Am- 11.30 Am	Modern Pharmaceutical Analytical Techniques
04.01.2022 (Tuesday)	10.30 Am- 11.30 Am	Advanced Organic Chemistry -I
05.01.2022 (Wednesday)	10.30 Am- 11.30 Am	Advanced Medicinal chemistry
06.01.2022 (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
03.01.2022 (Monday)	10.30 Am- 11.30 Am	Modern Pharmaceutical Analysis
04.01.2022 (Tuesday)	10.30 Am- 11.30 Am	Advanced Pharmaceutical Analysis
05.01.2022 (Wednesday)	10.30 Am- 11.30 Am	Pharmaceutical Validation
06.01.2022 (Thursday)	10.30 Am- 11.30 Am	Food Analysis.

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

PHARMACY PRACTICE

Date	Time	Subject
03.01.2022 (Monday)	10.30 Am- 11.30 Am	Clinical Pharmacy Practice
04.01.2022 (Tuesday)	10.30 Am- 11.30 Am	Pharmacotherapeutic s-I
05.01.2022 (Wednesday)	10.30 Am- 11.30 Am	Hospital & Community Pharmacy
06.01.2022 (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
03.01.2022 (Monday)	10.30 Am- 11.30 Am	Modern Pharmaceutical Analytical Techniques
04.01.2022 (Tuesday)	10.30 Am- 11.30 Am	Advanced Pharmacology-I
05.01.2022 (Wednesday)	10.30 Am- 11.30 Am	Pharmacological and Toxicological Screening Methods-I
06.01.2022 (Thursday)	10.30 Am- 11.30 Am	Cellular and Molecular Pharmacology

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

FOR ALL BRANCHES

Date	Time	Subject
03.01.2022 (Monday)	03.00 Pm- 04.00 Pm	Research Methodology and Biostatistics




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CIRCULAR

Ref.no: BPY/IAT-01/2021

03.06.2021

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 **21.06.2021 - 28.06.2021**.

- 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 **14.06.2021**.
- 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 15.06.2021**.

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

Date	Time	Subject
21.06.2021 (Monday)	02.30Pm-04.00Pm	Medicinal Chemistry III
22.06.2021 (Tuesday)	02.30Pm-04.00Pm	Pharmacology III
23.06.2021 (Wednesday)	02.30Pm-04.00Pm	Herbal Drug Technology
24.06.2021 (Thursday)	02.30Pm-04.00Pm	Biopharmaceutics and Pharmacokinetics
25.06.2021 (Friday)	02.30Pm-04.00Pm	Pharmaceutical Biotechnology
28.06.2021 (Monday)	02.30Pm-04.00Pm	Quality Assurance

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

Date	Time	Subject
21.06.2021 (Monday)	02.30Pm-04.00Pm	Biostatistics and Research Methodology
22.06.2021 (Tuesday)	02.30Pm-04.00Pm	Social and Preventive Pharmacy
23.06.2021 (Wednesday)	02.30Pm-04.00Pm	Elective Subject – GROUP-I
24.06.2021 (Thursday)	02.30Pm-04.00Pm	Elective Subject – GROUP-II

Principal

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CIRCULAR

Ref.no: BPY/IAT-01/2022

01.02.2022

All the **Pharm. D (I, II, III, IV & V YEAR)** students are hereby informed that **I SESSIONAL THEORY EXAMINATION** will be commenced from **14.02.2022 - 19.02.2022.**

- 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 **07.02.2022.**
- 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 09.02.2022.**

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I. PHARM.D I SESSIONAL THEORY EXAMINATION

Date	Time	Subject
14.02.2022 (Monday)	10.30 Am- 12.00 Pm	Human Anatomy and Physiology
15.02.2022 (Tuesday)	10.30 Am- 12.00 Pm	Pharmaceutics
16.02.2022 (Wednesday)	10.30 Am- 12.00 Pm	Medicinal Biochemistry
17.02.2022 (Thursday)	10.30 Am- 12.00 Pm	Pharmaceutical Organic Chemistry
18.02.2022 (Friday)	10.30 Am- 12.00 Pm	Pharmaceutical Inorganic Chemistry
19.02.2022 (Saturday)	10.30 Am- 12.00 Pm	Remedial Mathematics / Remedial Biology

II. PHARM.D I SESSIONAL THEORY EXAMINATION

Date	Time	Subject
14.02.2022 (Monday)	02.30Pm-04.00Pm	Pathophysiology
15.02.2022 (Tuesday)	02.30Pm-04.00Pm	Pharmaceutical Microbiology
16.02.2022 (Wednesday)	02.30Pm-04.00Pm	Pharmacognosy & Phytopharmaceuticals
17.02.2022 (Thursday)	02.30Pm-04.00Pm	Pharmacology - I
18.02.2022 (Friday)	02.30Pm-4.00Pm	Community Pharmacy
19.02.2022 (Saturday)	02.30Pm-04.00Pm	Pharmacotherapeutics I



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III. PHARM.D I SESSIONAL THEORY EXAMINATION

Date	Time	Subject
14.02.2022 (Monday)	10.30 Am- 12.00 Pm	Pharmacology-II
15.02.2022 (Tuesday)	10.30 Am- 12.00 Pm	Pharmaceutical Analysis
16.02.2022 (Wednesday)	10.30 Am- 12.00 Pm	Pharmacotherapeutics-II
17.02.2022 (Thursday)	10.30 Am- 12.00 Pm	Pharmaceutical Jurisprudence
18.02.2022 (Friday)	10.30 Am- 12.00 Pm	Medicinal Chemistry
19.02.2022 (Saturday)	10.30 Am- 12.00 Pm	Pharmaceutical Formulations

IV. PHARM.D I SESSIONAL THEORY EXAMINATION

Date	Time	Subject
14.02.2022 (Monday)	02.30Pm-04.00Pm	Pharmacotherapeutics - III
15.02.2022 (Tuesday)	02.30Pm-04.00Pm	Hospital Pharmacy
16.02.2022 (Wednesday)	02.30Pm-04.00Pm	Clinical Pharmacy
17.02.2022 (Thursday)	02.30Pm-04.00Pm	Biostatistics' & Research Methodology
18.02.2022 (Friday)	02.30Pm-04.00Pm	Biopharmaceutics & Pharmacokinetics
19.02.2022 (Saturday)	02.30Pm-04.00Pm	Clinical Toxicology



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V. PHARM.D I SESSIONAL THEORY EXAMINATION

Date	Time	Subject
14.02.2022 (Monday)	10.30 Am- 12.00 Pm	Clinical Research
15.02.2022 (Tuesday)	10.30 Am- 12.00 Pm	Pharmacoepidemiology & Pharmacoeconomics.
16.02.2022 (Wednesday)	10.30 Am- 12.00 Pm	Clinical Pharmacokinetics & Pharmacotherapeutic Monitoring.




Principal

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Date: 20.07.2021.

I M. Pharm (II SEMESTER) I Sessional Theory Examination July 2021

STAFF DUTY LIST

DATE	SESSION (FN)	MAIN EXAM HALL
26.07.2021 (Monday)	10.30 Am- 12.00 Pm	DEEPAN. N TAMILSELVAN.A SURESH.V
27.07.2021 (Tuesday)	10.30 Am- 12.00 Pm	SRINIVASAN. A GAYATRI. P SOMIREDDY SIVAKAMESWARI
28.07.2021 (Wednesday)	10.30 Am- 12.00 Pm	THAMOTHARAN. G ZIAUDHEEN.V.M VASUDEVAN
29.07.2021 (Thursday)	10.30 Am- 12.00 Pm	VENKATACHALAM.T VENUGOPAL THILAGAME

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



Dr. N. Senthilkumar
Dr. N. SENTHILKUMAR,
PRINCIPAL

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Date: 15.06.2021.

I B. Pharm (II SEMESTER) I Sessional Theory Examination June 2021

STAFF DUTY LIST


DATE	SESSION (FN)	MAIN EXAM HALL
21.06.2021 (Monday)	10.30 Am- 12.00 Pm	VENKATACHALAM.T VENUGOPAL THILAGAME.E
22.06.2021 (Tuesday)	10.30 Am- 12.00 Pm	THAMOTHARAN. G SUMATHI.K SIVASAKTHI.K
23.06.2021 (Wednesday)	10.30 Am- 12.00 Pm	DEEPAN. N SURESH KANNAN.V SRI PRIYA.T. K
24.06.2021 (Thursday)	10.30 Am- 12.00 Pm	THAMOTHARAN. G ZIAUDHEEN.V.M VASUDEVAN
25.06.2021 (Friday)	10.30 Am- 12.00 Pm	SRINIVASAN. A GAYATRI. P SOMIREDDY SIVAKAMESWARI
28.06.2021 (Monday)	10.30 Am- 12.00 Pm	DEEPAN. N TAMILSELVAN.A SURESH.V

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




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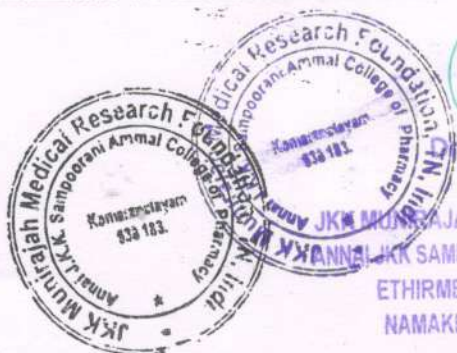
Date: 08.02.2022.


Pharm. D (I, III & V YEAR) I Sessional Theory Examination FEB 2022

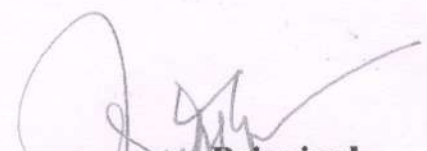
STAFF DUTY LIST

DATE	SESSION (FN)	MAIN EXAM HALL
14.02.2022 (Monday)	10.30 Am- 12.00 Pm	TAMILSELVAN.A SURESH.V KALAISELVI.P
15.02.2022 (Tuesday)	10.30 Am- 12.00 Pm	GAYATRI. P SOMIREDDY SIVAKAMESWARI HARISH KUMAR
16.02.2022 (Wednesday)	10.30 Am- 12.00 Pm	THAMOTHARAN. G VASUDEVAN KAVIBHARATHI.S
17.02.2022 (Thursday)	10.30 Am- 12.00 Pm	VENKATACHALAM.T THILAGAME
18.02.2022 (Friday)	10.30 Am- 12.00 Pm	DEEPAN. N ZIAUDHEEN.V.M
19.02.2022 (Saturday)	10.30 Am- 12.00 Pm	MUTHUKUMARAN.G

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10. Program Committee

1. The B. Pharm. program shall have a Program Committee constituted by the Head of the institution in consultation with all the Heads of the departments.

2. The composition of the Program Committee shall be as follows:

A senior teacher shall be the Chairperson; One Teacher from each department handling B.Pharm courses; and four student representatives of the program (one from each academic year), nominated by the Head of the institution.

3. Duties of the Program Committee:

- i. Periodically reviewing the progress of the classes.
- ii. Discussing the problems concerning curriculum, syllabus and the conduct of classes.
- iii. Discussing with the course teachers on the nature and scope of assessment for the course and the same shall be announced to the students at the beginning of respective semesters.
- iv. Communicating its recommendation to the Head of the institution on academic matters.
- v. The Program Committee shall meet at least thrice in a semester preferably at the end of each Sessionalexam (Internal Assessment) and before the end semester exam.

11. Examinations/Assessments

The scheme for internal assessment and end semester examinations is given in Table – X.

11.1. End semester examinations

The End Semester Examinations for each theory and practical course through semesters I to VIII shall be conducted by the university except for the subjects with asterix symbol (*) in table I and II for which examinations shall be conducted by the subject experts at college level and the marks/grades shall be submitted to the university.

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Tables-X: Schemes for internal assessments and end semester examinations semester wise

Semester I

Course code	Name of the course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
BP101T	Human Anatomy and Physiology I – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP102T	Pharmaceutical Analysis I – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP103T	Pharmaceutics I – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP104T	Pharmaceutical Inorganic Chemistry – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP105T	Communication skills – Theory*	5	10	1 Hr	15	35	1.5 Hrs	50
BP106RBT	Remedial Biology/	5	10	1 Hr	15	35	1.5 Hrs	50
BP106RMT	Mathematics – Theory*							
BP107P	Human Anatomy and Physiology – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP108P	Pharmaceutical Analysis I – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP109P	Pharmaceutics I – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP110P	Pharmaceutical Inorganic Chemistry – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP111P	Communication skills – Practical*	5	5	2 Hrs	10	15	2 Hrs	25
BP112RBP	Remedial Biology – Practical*	5	5	2 Hrs	10	15	2 Hrs	25
Total		70/75³/90⁴	115/125³/130⁴	23/24/26⁴ Hrs	185/200³/210⁴	490/525³ 540⁴	31.5/33³ 35⁴ Hrs	675/725³ 750⁴

¹ Applicable ONLY for the students studied Mathematics / Physics / Chemistry at HSC and appearing for Remedial Biology (RB) course.

² Applicable ONLY for the students studied Physics / Chemistry / Botany / Zoology at HSC and appearing for Remedial Mathematics (RM) course.

* Non University Examination (NUE)




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Semester II

Course code	Name of the course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
BP201T	Human Anatomy and Physiology II - Theory	10	15	1 Hr	25	75	3 Hrs	100
BP202T	Pharmaceutical Organic Chemistry I - Theory	10	15	1 Hr	25	75	3 Hrs	100
BP203T	Biochemistry - Theory	10	15	1 Hr	25	75	3 Hrs	100
BP204T	Pathophysiology - Theory	10	15	1 Hr	25	75	3 Hrs	100
BP205T	Computer Applications in Pharmacy - Theory*	10	15	1 Hr	25	50	2 Hrs	75
BP206T	Environmental sciences - Theory*	10	15	1 Hr	25	50	2 Hrs	75
BP207P	Human Anatomy and Physiology II - Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP208P	Pharmaceutical Organic Chemistry I - Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP209P	Biochemistry - Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP210P	Computer Applications in Pharmacy - Practical*	5	5	2 Hrs	10	15	2 Hrs	25
Total		80	125	20 Hrs	205	520	30 Hrs	725

* The subject experts at college level shall conduct examinations




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Semester III

Course code	Name of the course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
BP301T	Pharmaceutical Organic Chemistry II - Theory	10	15	1 Hr	25	75	3 Hrs	100
BP302T	PhysicalPharmaceuticsI -Theory	10	15	1 Hr	25	75	3 Hrs	100
BP303T	Pharmaceutical Microbiology - Theory	10	15	1 Hr	25	75	3 Hrs	100
BP304T	Pharmaceutical Engineering - Theory	10	15	1 Hr	25	75	3 Hrs	100
BP305P	Pharmaceutical Organic Chemistry II - Practical	5	10	4 Hr	15	35	4 Hrs	50
BP306P	PhysicalPharmaceutics I - Practical	5	10	4 Hr	15	35	4 Hrs	50
BP307P	Pharmaceutical Microbiology - Practical	5	10	4 Hr	15	35	4 Hrs	50
BP308P	Pharmaceutical Engineering - Practical	5	10	4 Hr	15	35	4 Hrs	50
Total		60	100	20	160	440	28Hrs	600



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Semester IV

Course code	Name of the course	Internal Assessment			End Semester Exams		Total Marks	
		Continuous Mode	Sessional Exams		Total	Marks		Duration
Marks	Duration							
BP401T	Pharmaceutical Organic Chemistry III- Theory	10	15	1 Hr	25	75	3 Hrs	100
BP402T	Medicinal Chemistry I- Theory	10	15	1 Hr	25	75	3 Hrs	100
BP403T	Physical Pharmaceutics II - Theory	10	15	1 Hr	25	75	3 Hrs	100
BP404T	Pharmacology I - Theory	10	15	1 Hr	25	75	3 Hrs	100
BP405T	Pharmacognosy I - Theory	10	15	1 Hr	25	75	3 Hrs	100
BP406P	Medicinal Chemistry I - Practical	5	10	4 Hr	15	35	4 Hrs	50
BP407P	Physical Pharmaceutics II - Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP408P	Pharmacology I - Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP409P	Pharmacognosy I - Practical	5	10	4 Hrs	15	35	4 Hrs	50
Total		70	115	21 Hrs	185	515	31 Hrs	700




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Semester V

Course code	Name of the course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
BP501T	Medicinal Chemistry II - Theory	10	15	1 Hr	25	75	3 Hrs	100
BP502T	Industrial PharmacyI- Theory	10	15	1 Hr	25	75	3 Hrs	100
BP503T	Pharmacology II - Theory	10	15	1 Hr	25	75	3 Hrs	100
BP504T	Pharmacognosy II - Theory	10	15	1 Hr	25	75	3 Hrs	100
BP505T	Pharmaceutical Jurisprudence - Theory	10	15	1 Hr	25	75	3 Hrs	100
BP506P	Industrial PharmacyI- Practical	5	10	4 Hr	15	35	4 Hrs	50
BP507P	Pharmacology II - Practical	5	10	4 Hr	15	35	4 Hrs	50
BP508P	Pharmacognosy II - Practical	5	10	4 Hr	15	35	4 Hrs	50
Total		65	105	17 Hr	170	480	27 Hrs	650

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Semester VI

Course code	Name of the course	Internal Assessment			End Semester Exams			Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
BP601T	Medicinal Chemistry III – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP602T	Pharmacology III – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP603T	Herbal Drug Technology – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP604T	Biopharmaceutics and Pharmacokinetics – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP605T	Pharmaceutical Biotechnology- Theory	10	15	1 Hr	25	75	3 Hrs	100
BP606T	Quality Assurance- Theory	10	15	1 Hr	25	75	3 Hrs	100
BP607P	Medicinal chemistry III – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP608P	Pharmacology III – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP609P	Herbal Drug Technology – Practical	5	10	4 Hrs	15	35	4 Hrs	50
Total		75	120	18 Hrs	195	555	30 Hrs	750

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Semester VII

Course code	Name of the course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
BP701T	Instrumental Methods of Analysis – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP702T	Industrial Pharmacy – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP703T	Pharmacy Practice – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP704T	Novel Drug Delivery System – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP705 P	Instrumental Methods of Analysis – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP706 PS	Practice School*	25	-	-	25	125	5 Hrs	150
Total		70	70	8Hrs	140	460	21 Hrs	600

* The subject experts at college level shall conduct examinations


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Semester VIII

Course code	Name of the course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
BP801T	Biostatistics and Research Methodology – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP802T	Social and Preventive Pharmacy – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP803ET	Pharmaceutical Marketing – Theory	10 + 10 = 20	15 + 15 = 30	1 + 1 = 2 Hrs	25 + 25 = 50	75 + 75 = 150	3 + 3 = 6 Hrs	100 + 100 = 200
BP804ET	Pharmaceutical Regulatory Science – Theory							
BP805ET	Pharmacovigilance – Theory							
BP806ET	Quality Control and Standardization of Herbals – Theory							
BP807ET	Computer Aided Drug Design – Theory							
BP808ET	Cell and Molecular Biology – Theory							
BP809ET	Cosmetic Science – Theory							
BP810ET	Experimental Pharmacology – Theory							
BP811ET	Advanced Instrumentation Techniques – Theory							
BP812PW	Project Work							
Total		40	60	4 Hrs	100	450	16 Hrs	550

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11.2. Internal assessment: Continuous mode

The marks allocated for Continuous mode of Internal Assessment shall be awarded as per the scheme given below.

Table-XI:Scheme for awarding internal assessment: Continuous mode

Theory		
Criteria	Maximum Marks	
Attendance (Refer Table – XII)	4	2
Academic activities (Average of any 3 activities e.g. quiz, assignment, open book test, field work, group discussion and seminar)	3	1.5
Student – Teacher interaction	3	1.5
Total	10	5
Practical		
Attendance (Refer Table – XII)	2	
Based on Practical Records, Regular viva voce, etc.	3	
Total	5	

Table- XII: Guidelines for the allotment of marks for attendance

Percentage of Attendance	Theory	Practical
95 – 100	4	2
90 – 94	3	1.5
85 – 89	2	1
80 – 84	1	0.5
Less than 80	0	0

11.2.1. Sessional Exams

Two Sessional exams shall be conducted for each theory / practical course as per the schedule fixed by the college(s). The scheme of question paper for theory and practical Sessional examinations is given below. The average marks of two Sessional exams shall be computed for internal assessment as per the requirements given in tables – X.

Sessional exam shall be conducted for 30 marks for theory and shall be computed for 15 marks. Similarly Sessional exam for practical shall be conducted for 40 marks and shall be computed for 10 marks.

Question paper pattern for theory Sessional examinations

For subjects having University examination

I Multiple Choice Questions (MCQs)	=	10 x 1 = 10
OR		OR
Objective Type Questions (5 x 2)	=	05 x 2 = 10
(Answer all the questions)		
I Long Answers (Answer 1 out of 2)	=	1 x 10 = 10
II. Short Answers (Answer 2 out of 3)	=	2 x 5 = 10

Total = 30 marks

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For subjects having Non University Examination

I. Long Answers (Answer 1 out of 2)	=	1 x 10 = 10
II. Short Answers (Answer 4 out of 6)	=	4 x 5 = 20
		<hr/>
Total	=	30 marks
		<hr/>

Question paper pattern for practical sessional examinations

I. Synopsis	=	10
II. Experiments	=	25
III. Viva voce	=	05
		<hr/>
Total	=	40 marks
		<hr/>

12. Promotion and award of grades

A student shall be declared PASS and eligible for getting grade in a course of B.Pharm program if he/she secures at least 50% marks in that particular course including internal assessment. For example, to be declared as PASS and to get grade, the student has to secure a minimum of 50 marks for the total of 100 including continuous mode of assessment and end semester theory examination and has to secure a minimum of 25 marks for the total 50 including internal assessment and end semester practical examination.

13. Carry forward of marks

In case a student fails to secure the minimum 50% in any Theory or Practical course as specified in 12, then he/she shall reappear for the end semester examination of that course. However his/her marks of the Internal Assessment shall be carried over and he/she shall be entitled for grade obtained by him/her on passing.

14. Improvement of internal assessment

A student shall have the opportunity to improve his/her performance only once in the Sessional exam component of the internal assessment. The re-conduct of the Sessional exam shall be completed before the commencement of next end semester theory examinations.

15. Re-examination of end semester examinations

Reexamination of end semester examinations shall be conducted as per the schedule given in table XIII. The exact dates of examinations shall be notified from time to time.


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

Subject Name: Pharmaceutical Analysis I

Year: Ist B.PHARM. SEM-I (AUG-2021-2022)

Sessional: I-Sessional Theory Exam

**TIME:1 Hour and 30 minutes
LONG ESSAY (Answer any one)**

**Maximum marks:30
(1X10=10)**

- 1.Explain Theories of indicator & Neutralization Curve in detail
2. Estimation of sodium benzoate

SHORT NOTES (Answer any two)

(2X5=10)

1. Write a note on types of solvent
2. Preparation & Standardization of 0.1M KMnO₄
3. Write a note on principle & procedure involved in limit Test For Iron

SHORT ANSWER (Answer all)

(5X2=10)

1. Accuracy & Precision
- 2) Primary Standard
- 3) Errors
- 4)Limit Test
- 5) Titration Curve

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B.Komarapalayam,
PHARMACEUTICAL INORGANIC CHEMISTRY
FIRST B. PHARM (2021-2022)
I SEMESTER**

I- SESSIONAL THEORY EXAM

Time: 1hrs and 30mins

Marks: 30 Marks

I. Elaborate on any ONE question

1 x 10 = 10

1. Define antacid? Classify them, Ideal character, combination of antacid. Explain about the Sodium bicarbonate
2. a) Define antimicrobial agents? Classify them and mechanism of antimicrobial agents
b) Write the preparation, properties, assay and use of Hydrogen peroxide

II. Write notes on any TWO questions

2 x 5 = 10

1. Define antidote? Classify them? Write the preparation, assay and use of sodium thiosulphate
2. Write note on Hematinic
3. Define Expectorant? Write the preparation, properties, assay and use of Ammonium chloride

III. Write Short (Answers all)

5x2=20

1. Define astringents? With examples
2. Define saline cathartics? Write the preparation and use of Magnesium sulphate
3. Define emetics? With examples
4. Magnesium hydroxide mixtures
5. Types of iodine solutions




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KOMARAPALAYAM
I-B.PHARM (I-Sem)
I-Sessional Theory Exam
Communication Skills**

Time : 1: 30 Hrs.

Total Mark : 30

I. Long answer any on ONE

1 x 10 = 10

1. Explain Communication Process in detail.
2. Write about Communication Style Matrix.

II. Short Answer on any FOUR

4 x 5 = 20

1. Write short notes on.
 - a) Emotional Barrier
 - b) Interpersonal Barrier
2. Write about Face to Face communication Advantage and Limitations.
3. What are the key concepts of Active Listening?
4. What is the effect of Past experience environment on perception?
5. Explain Physical communication?



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are distributed semester-wise as shown in Table 14. Courses generally progress in sequence, building competencies and their positioning indicates certain academic maturity on the part of the learners. Learners are expected to follow the semester-wise schedule of courses given in the syllabus.

8. Academic work

A regular record of attendance both in Theory, Practical, Seminar, Assignment, Journal club, Discussion with the supervisor, Research work presentation and Dissertation shall be maintained by the department / teaching staff of respective courses.

9. Course of study

The specializations in M.Pharm program is given in Table 1.

Table – 1: List of M.Pharm. Specializations and their Code

S. No.	Specialization	Code
1.	Pharmaceutics	MPH
2.	Industrial Pharmacy	MIP
3.	Pharmaceutical Chemistry	MPC
4.	Pharmaceutical Analysis	MPA
5.	Pharmaceutical Quality Assurance	MQA
6.	Pharmaceutical Regulatory Affairs	MRA
7.	Pharmaceutical Biotechnology	MPB
8.	Pharmacy Practice	MPP
9.	Pharmacology	MPL
10.	Pharmacognosy	MPC

The course of study for M.Pharm specializations shall include Semester wise Theory & Practical as given in Table – 2 to 11. The number of hours to be devoted to each theory and practical course in any semester shall not be less than that shown in Table – 2 to 11.



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Table - 11: Course of study for M. Pharm. (Pharmacognosy)

Course Code	Course	Credit Hours	Credit Points	Hrs./wk	Marks
Semester I					
MPG101T	Modern Pharmaceutical Analytical Techniques	4	4	4	100
MPG102T	Advanced Pharmacognosy-I	4	4	4	100
MPG103T	Phytochemistry	4	4	4	100
MPG104T	Industrial Pharmacognostical Technology	4	4	4	100
MPG105P	Pharmacognosy Practical I	12	6	12	150
-	Seminar/Assignment	7	4	7	100
Total		35	26	35	650
Semester II					
MPG201T	Medicinal Plant biotechnology	4	4	4	100
MPG102T	Advanced Pharmacognosy-II	4	4	4	100
MPG203T	Indian system of medicine	4	4	4	100
MPG204T	Herbal cosmetics	4	4	4	100
MPG205P	Pharmacognosy Practical II	12	6	12	150
-	Seminar/Assignment	7	4	7	100
Total		35	26	35	650


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**Table - 12: Course of study for M. Pharm. III Semester
(Common for All Specializations)**

Course Code	Course	Credit Hours	Credit Points
MRM301T	Research Methodology and Biostatistics*	4	4
-	Journal club	1	1
-	Discussion / Presentation (Proposal Presentation)	2	2
-	Research Work	28	14
Total		35	21

* Non University Exam

**Table - 13: Course of study for M. Pharm. IV Semester
(Common for All Specializations)**

Course Code	Course	Credit Hours	Credit Points
-	Journal Club	1	1
-	Research Work	31	16
-	Discussion/Final Presentation	3	3
Total		35	20

Table - 14: Semester wise credits distribution

Semester	Credit Points
I	26
II	26
III	21
IV	20
Co-curricular Activities (Attending Conference, Scientific Presentations and Other Scholarly Activities)	Minimum=02 Maximum=07*
Total Credit Points	Minimum=95 Maximum=100*

*Credit Points for Co-curricular Activities


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Table – 15: Guidelines for Awarding Credit Points for Co-curricular Activities

Name of the Activity	Maximum Credit Points Eligible / Activity
Participation in National Level Seminar/Conference/Workshop/Symposium/ Training Programs (related to the specialization of the student)	01
Participation in international Level Seminar/Conference/Workshop/Symposium/ Training Programs (related to the specialization of the student)	02
Academic Award/Research Award from State Level/National Agencies	01
Academic Award/Research Award from International Agencies	02
Research / Review Publication in National Journals (Indexed in Scopus / Web of Science)	01
Research / Review Publication in International Journals (Indexed in Scopus / Web of Science)	02

Note: International Conference: Held Outside India

International Journal: The Editorial Board Outside India

*The credit points assigned for extracurricular and or co-curricular activities shall be given by the Principals of the colleges and the same shall be submitted to the University. The criteria to acquire this credit point shall be defined by the colleges from time to time.

10. Programme Committee

1. The M. Pharm. programme shall have a Programme Committee constituted by the Head of the institution in consultation with all the Heads of the departments.
2. The composition of the Programme Committee shall be as follows:
A teacher at the cadre of Professor shall be the Chairperson; One Teacher from each M.Pharm specialization and four student representatives (two from each academic year), nominated by the Head of the institution.
3. Duties of the Programme Committee:
 - i. Periodically reviewing the progress of the classes.
 - ii. Discussing the problems concerning curriculum, syllabus and the conduct of classes.
 - iii. Discussing with the course teachers on the nature and scope of assessment for the course and the same shall be announced to the students at the beginning of respective semesters.

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- iv. Communicating its recommendation to the Head of the institution on academic matters.
- v. The Programme Committee shall meet at least twice in a semester preferably at the end of each sessionalexam and before the end semester exam.

11. Examinations/Assessments

The schemes for internal assessment and end semester examinations are given in Table - 16.

11.1. End semester examinations

The End Semester Examinations for each theory and practical course through semesters I to IV shall be conducted by the respective university except for the subject with asterix symbol (*) in table I and II for which examinations shall be conducted by the subject experts at college level and the marks/grades shall be submitted to the university.

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Tables – 1616 : Schemes for internal assessments and end semester (Pharmaceutics - MPH)

Course Code	Course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Seasonal Exams		Total	Marks	Duration	
			Marks	Duration				
SEMESTER I								
MPH 101T	Modern Pharmaceutical Analytical Techniques	10	15	1 Hr	25	75	3 Hrs	100
MPH 102T	Drug Delivery System	10	15	1 Hr	25	75	3 Hrs	100
MPH 103T	Modern Pharmaceutics	10	15	1 Hr	25	75	3 Hrs	100
MPH 104T	Regulatory Affair	10	15	1 Hr	25	75	3 Hrs	100
MPH 105P	Pharmaceutics Practical I	20	30	6 Hrs	50	100	6 Hrs	150
-	Seminar /Assignment	-	-	-	-	-	-	100
Total								650
SEMESTER II								
MPH 201T	Molecular Pharmaceutics (Nano Tech and Targeted DDS)	10	15	1 Hr	25	75	3 Hrs	100
MPH 202T	Advanced Biopharmaceutics & Pharmacokinetics	10	15	1 Hr	25	75	3 Hrs	100
MPH 203T	Computer Aided Drug Delivery System	10	15	1 Hr	25	75	3 Hrs	100
MPH	Cosmetic	10	15	1 Hr	25	75	3 Hrs	100

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204T	and Cosmeceuticals							
MPH 205P	Pharmaceutics Practical I	20	30	6 Hrs	50	100	6 Hrs	150
-	Seminar /Assignment	-	-	-	-	-	-	100
Total								650



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**Tables - 26: Schemes for internal assessments and end semester examinations
(Semester III& IV)**

Course Code	Course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
SEMESTER III								
MIRM301T	Research Methodology and Biostatistics*	10	15	1 Hr	25	75	3 Hrs	100
-	Journal club	-	-	-	25	-	-	25
-	Discussion / Presentation (Proposal Presentation)	-	-	-	50	-	-	50
-	Research work*	-	-	-	-	350	1 Hr	350
Total								525
SEMESTER IV								
-	Journal club	-	-	-	25	-	-	25
-	Discussion / Presentation (Proposal Presentation)	-	-	-	75	-	-	75
-	Research work and Colloquium	-	-	-	-	400	1 Hr	400
Total								500

*Non University Examination



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11.2. Internal assessment: Continuous mode

The marks allocated for Continuous mode of Internal Assessment shall be awarded as per the scheme given below.

Table - 27: Scheme for awarding internal assessment: Continuous mode

Theory	
Criteria	Maximum Marks
Attendance (Refer Table - 28)	8
Student - Teacher interaction	2
Total	10
Practical	
Attendance (Refer Table - 28)	10
Based on Practical Records, Regular viva voce, etc.	10
Total	20

Table - 28: Guidelines for the allotment of marks for attendance

Percentage of Attendance	Theory	Practical
95 - 100	8	10
90 - 94	6	7.5
85 - 89	4	5
80 - 84	2	2.5
Less than 80	0	0

11.2.1. Sessional Exams

Two sessional exams shall be conducted for each theory / practical course as per the schedule fixed by the college(s). The scheme of question paper for theory and practical sessional examinations is given in the table. The average marks of two sessional exams shall be computed for internal assessment as per the requirements given in tables.

12. Promotion and award of grades

A student shall be declared PASS and eligible for getting grade in a course of M.Pharm programme if he/she secures at least 50% marks in that particular course including internal assessment.

13. Carry forward of marks

In case a student fails to secure the minimum 50% in any Theory or Practical course as specified in 12, then he/she shall reappear for the end semester examination of that course. However his/her marks of the Internal Assessment shall be carried over and he/she shall be entitled for grade obtained by him/her on passing.

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B. Komarapalayam.

PHARMACY PRACTICE

Subject Name: RESEARCH METHODOLOGY

Year- III-SEM M.PHARM (2021-2022)

**Time 1.30 Hours
Marks:30**

Sessional- I Theory Exam

Total

I. ESSAY TYPE

(1 X 10 = 10)

1. What is mean by Homogenous Data? Name the statistical methods used to analyse Homogenous Data. Explain the ANOVA method of statistical analysis.

II. SHORT ANSWER

(4X 5 = 20)

1. Write notes on Incidence and prevalence.
2. Explain chi square test and write the application of student t test.
3. Advantages of Computerized Medication Order Entry
4. Non-parametric test.



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Sixth Year:

Internship or residency training including postings in speciality units. Student should independently provide the clinical pharmacy services to the allotted wards.

- (i) Six months in General Medicine department, and
- (ii) Two months each in three other speciality departments

8. Syllabus. – The syllabus for each subject of study in the said Tables shall be as specified in Appendix -A to these regulations.
9. Approval of the authority conducting the course of study. – (1) No person, institution, society or university shall start and conduct Pharm.D or Pharm.D. (Post Baccalaureate) programme without the prior approval of the Pharmacy Council of India.
 - (2) Any person or pharmacy college for the purpose of obtaining permission under sub-section (1) of section 12 of the Pharmacy Act, shall submit a scheme as prescribed by the Pharmacy Council of India.
 - (3) The scheme referred to in sub-regulation (2) above, shall be in such form and contain such particulars and be preferred in such manner and be accompanied with such fee as may be prescribed.

Provided that the Pharmacy Council of India shall not approve any institution under these regulations unless it provides adequate arrangements for teaching in regard to building, accommodation, labs., equipments, teaching staff, non-teaching staff, etc., as specified in Appendix-B to these regulations.
10. Examination. – (1) Every year there shall be an examination to examine the students.
 - (2) Each examination may be held twice every year. The first examination in a year shall be the annual examination and the second examination shall be supplementary examination.
 - (3) The examinations shall be of written and practical (including oral nature) carrying maximum marks for each part of a subject as indicated in Tables below :

T A B L E S

First Year examination :

S.No.	Name of Subject	Maximum marks for Theory			Maximum marks for Practicals		
		Examination	Sessional	Total	Examination	Sessional	Total
1.1	Human Anatomy and Physiology	70	30	100	70	30	100
1.2	Pharmaceutics	70	30	100	70	30	100
1.3	Medicinal Biochemistry	70	30	100	70	30	100
1.4	Pharmaceutical Organic Chemistry	70	30	100	70	30	100
1.5	Pharmaceutical Inorganic Chemistry	70	30	100	70	30	100
1.6	Remedial Mathematics/ Biology	70	30	100	70*	30*	100*
				600			600 = 1200

* for Biology.




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Second Year examination :

S.No.	Name of Subject	Maximum marks for Theory			Maximum marks for Practicals		
		Examination	Sessional	Total	Examination	Sessional	Total
2.1	Pathophysiology	70	30	100	-	-	-
2.2	Pharmaceutical Microbiology	70	30	100	70	30	100
2.3	Pharmacognosy & Phytopharmaceuticals	70	30	100	70	30	100
2.4	Pharmacology-I	70	30	100	-	-	-
2.5	Community Pharmacy	70	30	100	-	-	-
2.6	Pharmacotherapeutics-I	70	30	100	70	30	100
				600			300 = 900

Third Year examination :

S.No.	Name of Subject	Maximum marks for Theory			Maximum marks for Practicals		
		Examination	Sessional	Total	Examination	Sessional	Total
3.1	Pharmacology-II	70	30	100	70	30	100
3.2	Pharmaceutical Analysis	70	30	100	70	30	100
3.3	Pharmacotherapeutics-II	70	30	100	70	30	100
3.4	Pharmaceutical Jurisprudence	70	30	100	-	-	-
3.5	Medicinal Chemistry	70	30	100	70	30	100
3.6	Pharmaceutical Formulations	70	30	100	70	30	100
				600			500 = 1100

Fourth Year examination :

S.No.	Name of Subject	Maximum marks for Theory			Maximum marks for Practicals		
		Examination	Sessional	Total	Examination	Sessional	Total
4.1	Pharmacotherapeutics-III	70	30	100	70	30	100
4.2	Hospital Pharmacy	70	30	100	70	30	100
4.3	Clinical Pharmacy	70	30	100	70	30	100
4.4	Biostatistics & Research Methodology	70	30	100	-	-	-
4.5	Biopharmaceutics & Pharmacokinetics	70	30	100	70	30	100
4.6	Clinical Toxicology	70	30	100	-	-	-
				600			400 = 1000


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Fifth Year examination :

S.No.	Name of Subject	Maximum marks for Theory			Maximum marks for Practicals		
		Examination	Sessional	Total	Examination	Sessional	Total
5.1	Clinical Research	70	30	100	-	-	-
5.2	Pharmacoepidemiology and Pharmacoeconomics	70	30	100	-	-	-
5.3	Clinical Pharmacokinetics & Pharmacotherapeutic Drug Monitoring	70	30	100	-	-	-
5.4	Clerkship*	-	-	-	70	30	100
5.5	Project work (Six Months)	-	-	-	100**	-	100
				300			200 = 500

* Attending ward rounds on daily basis.

** 30 marks – viva-voce (oral)
70 marks – Thesis work

11. Eligibility for appearing Examination.— Only such students who produce certificate from the Head of the Institution in which he or she has undergone the Pharm.D. or as the case may be, the Pharm.D. (Post Baccalaureate) course, in proof of his or her having regularly and satisfactorily undergone the course of study by attending not less than 80% of the classes held both in theory and in practical separately in each subject shall be eligible for appearing at examination.

12. Mode of examinations.— (1) Theory examination shall be of three hours and practical examination shall be of four hours duration.

(2) A Student who fails in theory or practical examination of a subject shall re-appear both in theory and practical of the same subject.

(3) Practical examination shall also consist of a viva -voce (Oral) examination.

(4) Clerkship examination – Oral examination shall be conducted after the completion of clerkship of students. An external and an internal examiner will evaluate the student. Students may be asked to present the allotted medical cases followed by discussion. Students' capabilities in delivering clinical pharmacy services, pharmaceutical care planning and knowledge of therapeutics shall be assessed.

13. Award of sessional marks and maintenance of records.— (1) A regular record of both theory and practical class work and examinations conducted in an institution imparting training for Pharm.D. or as the case may be, Pharm.D. (Post Baccalaureate) course, shall be maintained for each student in the institution and 30 marks for each theory and 30 marks for each practical subject shall be allotted as sessional.

(2) There shall be at least two periodic sessional examinations during each academic year and the highest aggregate of any two performances shall form the basis of calculating sessional marks.

(3) The sessional marks in practicals shall be allotted on the following basis:-

- (i) Actual performance in the sessional examination (20 marks);
- (ii) Day to day assessment in the practical class work, promptness, viva-voce record maintenance, etc. (10 marks)


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

Subject Name : Pharmaceutical Organic Chemistry

Year: I- PHARM D (Feb-2022)

I - Sessional Examination

Time: 1 Hours 30 mins

Total Marks: 30

Answer all questions

I. Elaborate On:

1 x 10 = 10

1. Define Nucleophilic Substitutions. Discuss in detail about Sn1 and Sn2 Reactions.

II. Write Notes On:

4x 5 = 20

1. Define Isomerism. What are the types of Isomerism? Explain about anyone Isomerism with examples.

2. Write note on acid-base theory.

3. Define free radical substitution. Write about free radical Chain substitution of Alkanes.

4. Bayer's strain theory.



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JKKMMRF's - Annai JKK Sampoorani Ammal College of Pharmacy, B.Komarapalayam.
Subject Name : Pharmacognosy and PhytoPharmaceuticals
Year : II- PHARM D (Oct-2022)
Sessional : I- Sessional Theory Exam

Time 1.30 Hours

Total Mark: 30

I. ESSAY TYPE

(1 X 10 = 10)

1. What is Carbohydrate? Discuss in detail about method of preparation of Honey and Starch.

II. SHORT ANSWER

(4 X 5 = 20)

1. What is crude drug? Classify crude drugs with example.
2. Write note on cell inclusions.
3. Write note on microscopic evaluation of crude drugs.
4. Write methods of cultivation of crude drugs.




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

Subject Name : Pharmaceutical Microbiology
Year : II- PHARM.D
III sessional theory exam

Time 1.30 Hours

Total

marks: 30

I.ESSAY ANSWER

(1X 10 = 10)

1. Define Microbiological assay. Write the principle and procedure of microbiological assay of antibiotics.

II. SHORT ANSWER

(4X 5 = 20)

1. Discuss in details on :
a) Malaria b) Typhoid
2. Enzyme linked Immunosorbent assay.
3. Discuss about Southern blotting techniques
4. Diagnosis and prevention of cholera.



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NAMAKKAL DISTRICT, TAMILNADU, INDIA.

Roll NO: 55

NAME: V.A Muralitharan

SUBJECT: Pharmaceutical inorganic chemistry

EXAM: I- sessional



NO of Additional sheet: 4

I

1) Antacid

25

* It is a compound neutralized

the excess amount of acid to the stomach is known as antacid

Ideal characteristic

* It should have pH range of 4-6

* It should have inhibit pepsin

* It interferes to absorption of food and

* It



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NANAKKAL DISTRICT, TAMIL NADU, INDIA

enter to cause do not extend of
sodium bio-carbonate.

Example:

- * Sodium bicarbonate
- * Magnesium salt
- * Calcium salt

Example of Antacid

- * magnesium hydroxide gel
- * Aluminium chloride
- * Sodium bicarbonate
- * milk of magnesium.

Sodium bicarbonate

The Sodium bicarbonate molecular
weight 84 molecular formula

NaOH. The Sodium bicarbonate other



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* Soluble in water

* Soluble in water and insoluble

~~in alcohol.~~
uses: Antacid

||

1. Expectarant

It is drug that respiratory tract secretion and lower viscosity and promotes of removals.

Example of Expectarant

* Potassium Iodine

* Sodium Carbonate



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Method of preparation

Sub + dil nitric acid \longrightarrow

soluble
insoluble
dil nitric acid
dil violet col
blue colour ppt

Sub + $H_2SO_4 \xrightarrow{\Delta}$ violet colour ppt

Example:

- * Expectorant
- * Nessler's reagent
- * Meyer's reagent

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To example of expectorant



1. Astringents:

* It is a drug which make the cell shrink and precipitation of protein coating from their surface

Example

- ⇒ Preparation Lozons, mouth wash and Eye drop
- ⇒ Plaster alum, zinc Sulphate

3. Principle involved limit test for chloride

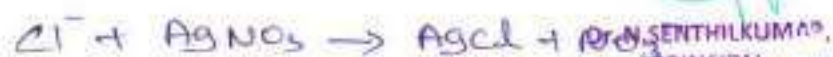
⇒ Silver chloride is insoluble in dilute nitric acid

⇒ Opalescence produced in the test in the chloride present in the sample

⇒ Opalescence compound in standard

Solution

⇒ Opalescence in the test less than the standard the test is pass it declared IP standard



(Handwritten signature)

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5. Magnesium hydroxide mixtures:



Synonyms:

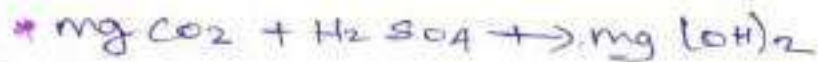
* magnesium hydroxide mixture (or)

suspension

* milk of magnesium

* cream of magnesium

preparation:



uses:

* Antacid

* Laxative

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NAMAKKAL DISTRICT TAMILNADU - TA.



d. Haematinics

* It is formation of Ferrous Sulphate. To its used to treatment of iron anamia. To formation of blood. To contact of platelets is know as Haematinics.

Ferrous Sulphate

M.W : $FeSO_4 \cdot 7H_2O$

M.F : 166

Synonyms: Greenish colour

Preparation:



Properties:

* white



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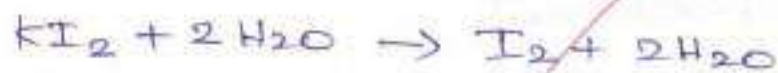
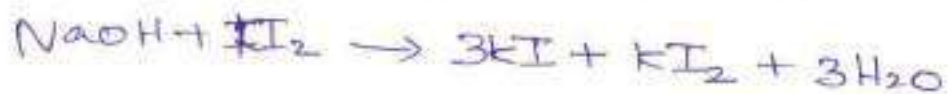
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M.F : NaOH

M.W : 166

Synonyms: potassium iodide

Preparation:



* This properties is a white

crystalline and odorless and its

soluble in water and freely

soluble in alcohol glycerol
solution

* To preparation of potassium
Iodide.

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other name is Baking Soda. It is not less than 99.1 and not more than 101.1.

Method

* To the solution of preparation is treating sodium carbonate to the water, and calcium carbonate can be calculated and saturated.

properties

* Odorless



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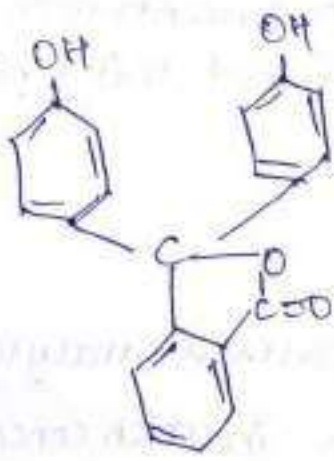
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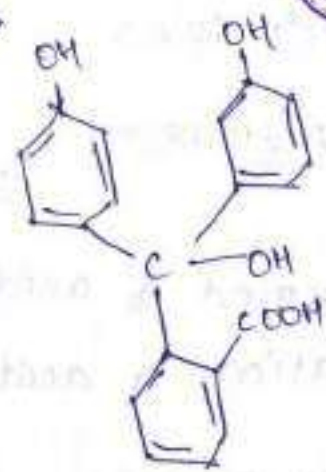
magnesium

* Saline taste

* It is dry soluble in air and moisture air to

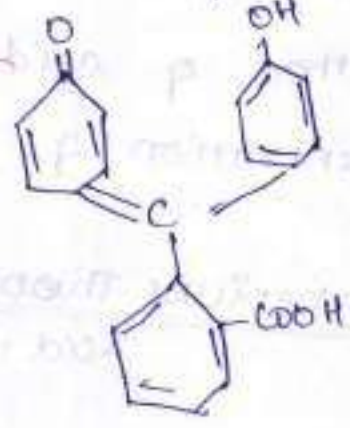


+ H₂O



Phenolphthalein
(colourless)
In H₂

⇌ -H₂O



Quinonoid
coloured
(pink color)
In 2



[Signature]
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II 1. Acid Base Titration:

may be defined as the determination of acid or base by exactly neutralizing acid or base with acid or base of known concentration.

THE TAMIL NADU DR. M.G.K. SAMPOORANI AMMAL UNIVERSITY, CHENNAI
Internal Assessment(I.A) Verification Report

Course: 56 - B.Pharm.

Institution: 082-ANNAI J.K.K. SAMPOORANI AMMAL COLLEGE OF PHARMACY KOMARAPALAYAM

Exam Session: Sep 2021

Term: EIGHTH SEMESTER - J-2017 (J)

Subject: 562078 - SOCIAL AND PREVENTIVE PHARMACY (T)

Exam Type: I.A

S.No.	Register No.	Student Name	App	IA.Total	IA. Att.(%)	Credit Points	Eligibility	Confirm Zero Mark Entry
				Max: 25.00; Min: N.M	Max: 100.00; Min: 80.00	Max: 4.00; Min: 4.00		
1	561758001	AAKASH S	1	24.00	94.00	4.00	Eligible	
2	561758002	ABINAYA V	1	24.00	94.00	4.00	Eligible	
3	561758003	AJAY KUMAR M	1	22.00	94.00	4.00	Eligible	
4	561758004	AKILANDESWARAN S	1	23.00	96.00	4.00	Eligible	
5	561758005	AMARNATH A	1	22.00	96.00	4.00	Eligible	
6	561758006	ANANTH R	1	22.00	96.00	4.00	Eligible	
7	561758007	ANBUDURAI S	1	22.00	94.00	4.00	Eligible	
8	561758008	ARJUNAN K	1	23.00	94.00	4.00	Eligible	
9	561758009	ARJUN KUMAR R.	1	23.00	92.00	4.00	Eligible	
10	561758010	ARUNPRAKASH S	1	21.00	96.00	4.00	Eligible	
11	561758011	AYYASAMY R	1	24.00	94.00	4.00	Eligible	
12	561758012	BALA GURU I T	1	23.00	92.00	4.00	Eligible	
13	561758013	CHANDRU D	1	23.00	94.00	4.00	Eligible	
14	561758014	DEEPA P	1	24.00	96.00	4.00	Eligible	
15	561758015	DEEPIKA R	1	24.00	94.00	4.00	Eligible	
16	561758016	DEVASHRI P B	1	24.00	96.00	4.00	Eligible	
17	561758017	DHARMASEELAN K	1	23.00	96.00	4.00	Eligible	
18	561758018	DHILEEP M	1	22.00	94.00	4.00	Eligible	
19	561758019	DINESHKUMAR B	1	22.00	92.00	4.00	Eligible	
20	561758020	DIVAKAR A	1	22.00	96.00	4.00	Eligible	
21	561758021	DIVYA K	1	23.00	94.00	4.00	Eligible	
22	561758022	ESWARAN N P	1	22.00	96.00	4.00	Eligible	
23	561758025	GOKULAKANNAN M	1	23.00	94.00	4.00	Eligible	
24	561758026	GUNA V	1	23.00	92.00	4.00	Eligible	
25	561758027	HARISH SRIDHAR S	1	22.00	94.00	4.00	Eligible	
26	561758028	HARSHA VARDHINEE K	1	24.00	94.00	4.00	Eligible	
27	561758029	HEMALATHA A	1	23.00	96.00	4.00	Eligible	
28	561758030	JAGADESWARAN C	1	24.00	96.00	4.00	Eligible	



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Website : www.jkkm.info | E-mail : senthilkumarjkk@gmail.com
Ph : 0091 - 04288-260032, 260588, 266778

Rtn. MPH, Dr. J.K.K. MUNIRAJAH M.Tech., (Bolton)
Correspondent

Dr. N. SENTHIL KUMAR, M.Pharm., Ph.D.,
Principal

BPY/ES(VIII SEM)/2022

08/12/2022

To

The Deputy Controller of Examinations (Pharmacy),
The Tamil Nadu Dr. MGR Medical University,
No: 69, Anna Salai,
Guindy, Chennai - 32.

Sir,

Sub: Forwarding of VIII Semester elective subject students selected and entered in CMS2
- reg.

Ref: Your Lr.No: Ex. V (4) / 60531 / 2021, dated: 02/12/2022

With reference to the subject cited, I am herewith forwarding the copy of VIII semester candidates of our institution selected two elective subjects entered in CMS2, taken printout and signed by students for the conformation.

So, kindly accept the signed copy of the VIII semester elective subjects selected by the students for your further processing.

Thanking you,

Dr. N. SENTHILKUMAR,
PRINCIPAL,

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




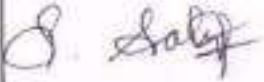
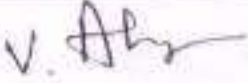
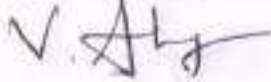

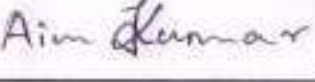
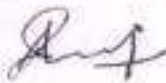

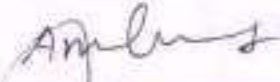

Yours truly

Dr. N. SENTHILKUMAR,
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ANNAL JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY,
ETHIRMEDU, KOMARAPALAYAM - 638 183,
NAMAKKAL DISTRICT, TAMILNADU.

ELECTIVE SUBJECT MAPPING REPORT

Exam Session : Course : 56-B.Pharm. From Course Term : EIGHTH SEMESTER - 2017 (J) To Course Term: Institution : 082-ANNAI
J.K.K. SAMPOORANI AMMAL COLLEGE OF PHARMACY KOMARAPALAYAM Filter Type : All

S.NO	Register No.	Student Name	Date of Birth	Subject Code	Subject Name	Elective Subject	Status	Signature
1	561758001	AAKASH S	16-02-2000	562082	QUALITY CONTROL AND STANDARDIZATION OF HERBALS -(T)	104	UNIV.APPROVED	
2	561758001	AAKASH S	16-02-2000	562085	COSMETIC SCIENCE (T)	107	UNIV.APPROVED	
3	561758002	ABINAYA V	25-12-2000	562082	QUALITY CONTROL AND STANDARDIZATION OF HERBALS -(T)	104	UNIV.APPROVED	
4	561758002	ABINAYA V	25-12-2000	562085	COSMETIC SCIENCE (T)	107	UNIV.APPROVED	
5	561758003	AJAY KUMAR M	05-05-1999	562082	QUALITY CONTROL AND STANDARDIZATION OF HERBALS -(T)	104	UNIV.APPROVED	
6	561758003	AJAY KUMAR M	05-05-1999	562085	COSMETIC SCIENCE (T)	107	UNIV.APPROVED	
7	561758004	AKILANDESWARAN S	14-07-2000	562082	QUALITY CONTROL AND STANDARDIZATION OF HERBALS -(T)	104	UNIV.APPROVED	
8	561758004	AKILANDESWARAN S	14-07-2000	562085	COSMETIC SCIENCE (T)	107	UNIV.APPROVED	
9	561758005	AMARNATH A	05-07-2000	562082	QUALITY CONTROL AND STANDARDIZATION OF HERBALS -(T)	104	UNIV.APPROVED	
10	561758005	AMARNATH A	05-07-2000	562085	COSMETIC SCIENCE (T)	107	UNIV.APPROVED	 Dr. N.SENTHILKUMAR, PRINCIPAL.



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NAMAKKAL DISTRICT, TAMILNADU.

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ETHIRMEDU, KOMARAPALAYAM - 636 183,
NAMAKKAL DISTRICT, TAMILNADU.

119	561758064	PARTHEEPAN S	16-04-2000	562083	COMPUTER AIDED DRUG DESIGN- (T)	105	UNIV.APPROVED	<i>Partheepan S.</i>
120	561758064	PARTHEEPAN S	16-04-2000	562086	PHARMACOLOGICAL SCREENING METHODS (T)	108	UNIV.APPROVED	<i>Partheepan S.</i>
121	561758066	PAVITHRAN K	01-07-1999	562083	COMPUTER AIDED DRUG DESIGN- (T)	105	UNIV.APPROVED	<i>Pavithran K.</i>
122	561758066	PAVITHRAN K	01-07-1999	562086	PHARMACOLOGICAL SCREENING METHODS (T)	108	UNIV.APPROVED	<i>Pavithran K.</i>
123	561758067	PRAKASH S	04-11-1999	562083	COMPUTER AIDED DRUG DESIGN- (T)	105	UNIV.APPROVED	<i>Prakash S.</i>
124	561758067	PRAKASH S	04-11-1999	562086	PHARMACOLOGICAL SCREENING METHODS (T)	108	UNIV.APPROVED	<i>Prakash S.</i>
125	561758068	PRAVEEN KUMAR C	21-08-1999	562083	COMPUTER AIDED DRUG DESIGN- (T)	105	UNIV.APPROVED	<i>Praveen Kumar C.</i>
126	561758068	PRAVEEN KUMAR C	21-08-1999	562086	PHARMACOLOGICAL SCREENING METHODS (T)	108	UNIV.APPROVED	<i>Praveen Kumar C.</i>
127	561758070	PRIYADHARSHINI S	14-05-2000	562083	COMPUTER AIDED DRUG DESIGN- (T)	105	UNIV.APPROVED	<i>Priyadharshini S.</i>
128	561758070	PRIYADHARSHINI S	14-05-2000	562086	PHARMACOLOGICAL SCREENING METHODS (T)	108	UNIV.APPROVED	<i>Priyadharshini S.</i>
129	561758071	RAGUNATH S	09-07-2000	562083	COMPUTER AIDED DRUG DESIGN- (T)	105	UNIV.APPROVED	<i>Ragunath S.</i>
130	561758071	RAGUNATH S	09-07-2000	562086	PHARMACOLOGICAL SCREENING METHODS (T)	108	UNIV.APPROVED	<i>Ragunath S.</i>



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 TAMIL NADU

Dr. N. SENTHILKUMAR,
 PRINCIPAL

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 TAMIL NADU



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The Tamil Nadu Dr.M.G.R. Medical University

NON- SEMESTER EXAMINATIONS
FEBRUARY 2022 SESSION
(MAY 2022 EXAMINATIONS)

TIME TABLE

Day	Date and Time	Paper	Subjects	Q.P. Code
PHARMACY UNDER GRADUATE DEGREE COURSE B.PHARM (NON - SEMESTER) EXAMINATIONS (2009-2010 Regulation) FIRST YEAR				
Fri	13-05-2022 2.00 pm to 5.00 pm	I	Pharmaceutical Inorganic Chemistry	564251
Mon	16-05-2022 2.00 pm to 5.00 pm	II	Pharmaceutical Organic Chemistry	564252
Tue	17-05-2022 2.00 pm to 5.00 pm	III	Anatomy, Physiology and Health Education	564253
Wed	18-05-2022 2.00 pm to 5.00 pm	IV	Biochemistry	564254
Thu	19-05-2022 2.00 pm to 5.00 pm	V	Biostatistics and Computer Applications	564255



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SECOND YEAR

Thu	05-05-2022 2.00 pm to 5.00 pm	I	Physical Pharmaceutics	564256
Fri	06-05-2022 2.00 pm to 5.00 pm	II	Pharmaceutical Analysis and Physical Chemistry	564257
Mon	09-05-2022 2.00 pm to 5.00 pm	III	Advanced Pharmaceutical Organic Chemistry	564258
Tue	10-05-2022 2.00 pm to 5.00 pm	IV	Pharmaceutical Technology	564259
Wed	11-05-2022 2.00 pm to 5.00 pm	V	Pharmacy Practice and Pathophysiology	564260



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THIRD YEAR

Fri	13-05-2022 9.30 am to 12.30 pm	I	Pharmacognosy & Phyto-chemistry	564261
Mon	16-05-2022 9.30 am to 12.30 pm	II	Medicinal Chemistry - I	564262
Tues	17-05-2022 9.30 am to 12.30 pm	III	Pharmaceutical Dosage Forms And Cosmetic Technology	564263
Wed	18-05-2022 9.30 am to 12.30 pm	IV	Pharmacology - I	564264
Thu	19-05-2022 9.30 am to 12.30 pm	V	Hospital & Clinical Pharmacy	564265
Fri	20-05-2022 9.30 am to 12.30 pm	VI	Pharmaceutical Biotechnology	564266

FOURTH (FINAL) YEAR

Thu	05-05-2022 9.30 am to 12.30 pm	I	Formulative Pharmacy and Bio-pharmaceutics	564267
Fri	06-05-2022 9.30 am to 12.30 pm	II	Advanced Pharmacognosy	564268
Mon	09-05-2022 9.30 am to 12.30 pm	III	Pharmacology - II	564269
Tue	10-05-2022 9.30 am to 12.30 pm	IV	Modern Methods of Pharmaceutical Analysis	564270
Wed	11-05-2022 9.30 am to 12.30 pm	V	Medicinal Chemistry - II	564271
Thu	12-05-2022 9.30 am to 12.30 pm	VI	Pharmaceutical Jurisprudence and Pharmacy Business Management	564272

Dr. N. SENTHILKUMAR,
PRINCIPAL,

Sd/-

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The Tamil Nadu Dr.M.G.R. Medical University

B.PHARMACY SEMESTER EXAMINATIONS
SEPTEMBER 2021 SESSION
(MAY 2022 Examination)
I to VII Semester

TIME TABLE

(for the Candidates admitted upto 2020-2021)

Day Date and Time Paper Subjects Q.P. Code

PHARMACY
UNDER GRADUATE DEGREE COURSE
B.PHARM (SEMESTER) EXAMINATIONS (2017 Regulation)

FIRST SEMESTER

Fri	13-05-2022 9.30 am to 12.30 pm	I	Human Anatomy and Physiology I	562001
Mon	16-05-2022 9.30 am to 12.30 pm	II	Pharmaceutical Analysis - I	562003
Tue	17-05-2022 9.30 am to 12.30 pm	III	Pharmaceutics I	562005
Wed	18-05-2022 9.30 am to 12.30 pm	IV	Pharmaceutical Inorganic Chemistry	562007




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The Tamil Nadu Dr.M.G.R. Medical University

Non University Exam

Fri	20.05.2022	V	Communication Skill (Theory)	562009
Sat	21-05-2022	VI	Communication Skill (Practical)	562010
Mon	23.05.2022	VII	Remedial Biology(Theory)	562011
		VIII	Remedial Biology (Practical)	562012
		IX	Remedial Mathematics (Theory)	562013



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NAMANKAL DISTRICT, TAMILNADU.



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The Tamil Nadu Dr.M.G.R. Medical University

SECOND SEMESTER

Thu	05-05-2022 9.30 am to 12.30 pm	I	Human Anatomy and Physiology II	562014
Fri	06-05-2022 9.30 am to 12.30 pm	II	Pharmaceutical Organic Chemistry I	562016
Mon	09-05-2022 9.30 am to 12.30 pm	III	Biochemistry	562018
Tue	10-05-2022 9.30 am to 12.30 pm	IV	Pathophysiology	562020

Non University Exam

Tue	24-05-2022	V	Computer Application In Pharmacy (Theory)	562021
Wed	25-05-2022	VI	Computer Application In Pharmacy (Practical)	562022
Thu	26-05-2022	VII	Environmental Sciences (Theory)	562023




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NAMAKKAL DISTRICT, TAMILNADU.



தமிழ்நாடு டாக்டர் எம்.ஜி.ஆர். மருத்துவப் பல்கலைக்கழகம்
The Tamil Nadu Dr.M.G.R. Medical University

THIRD SEMESTER

Fri	13-05-2022 2.00 pm to 5.00 pm	I	Pharmaceutical Organic Chemistry II	562031
Mon	16-05-2022 2.00 pm to 5.00 pm	II	Physical Pharmaceutics I	562033
Tue	17-05-2022 2.00 pm to 5.00 pm	III	Pharmaceutical Microbiology	562035
Wed	18-05-2022 2.00 pm to 5.00 pm	IV	Pharmaceutical Engineering	562037

Non University Exam
(for Lateral Entry Candidates Only)

Fri	20-05-2022	V	Communication Skill (Theory)	562009
Sat	21-05-2022	VI	Communication Skill (Practical)	562010




Dr. N. SENTHILKUMAR,
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ETHIRAMEDU, KOMARAPALAYAM - 638 183,
NAMAKKAL DISTRICT, TAMILNADU.



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FOURTH SEMESTER

Thu	05-05-2022 2.00 pm to 5.00 pm	I	Pharmaceutical Organic Chemistry III	562039
Fri	06-05-2022 2.00 pm to 5.00 pm	II	Medicinal Chemistry I	562040
Mon	09-05-2022 2.00 pm to 5.00 pm	III	Physical Pharmaceutics II	562042
Tue	10-05-2022 2.00 pm to 5.00 pm	IV	Pharmacology I	562044
Wed	11-05-2022 2.00 pm to 5.00 pm	V	Pharmacognosy and Phytochemistry I	562046

Non University Exam
(for Lateral Entry Candidates only)

Tue	24-05-2022	VI	Computer Application In Pharmacy (Theory)	562021
Wed	25-05-2022	VII	Computer Application In Pharmacy (Practical)	562022




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AJDUDAI JKK SANPOORAM ANNAL COLLEGE OF PHARMACY,
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FIFTH SEMESTER

Fri	13-05-2022 9.30 am to 12.30 pm	I	Medicinal Chemistry II	562051
Mon	16-05-2022 9.30 am to 12.30 pm	II	Industrial Pharmacy I	562052
Tue	17-05-2022 9.30 am to 12.30 pm	III	Pharmacology II	562054
Wed	18-05-2022 9.30 am to 12.30 pm	IV	Pharmacognosy and Phytochemistry II	562056
Thu	19-05-2022 9.30 am to 12.30 pm	V	Pharmaceutical Jurisprudence	562058

SIXTH SEMESTER

Thu	05-05-2022 9.30 am to 12.30 pm	I	Medicinal Chemistry III	562059
Fri	06-05-2022 9.30 am to 12.30 pm	II	Pharmacology III	562061
Mon	09-05-2022 9.30 am to 12.30 pm	III	Herbal Drug Technology	562063
Tue	10-05-2022 9.30 am to 12.30 pm	IV	Biopharmaceutics and Pharmacokinetics	562065
Wed	11-05-2022 9.30 am to 12.30 pm	V	Pharmaceutical Biotechnology	562066
Thu	12-05-2022 9.30 am to 12.30 pm	VI	Quality Assurance	562067



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SEVENTH SEMESTER

Fri	13-05-2022 2.00 pm to 5.00 pm	I	Instrumental Methods of Analysis	562071
Mon	16-05-2022 2.00 pm to 5.00 pm	II	Industrial Pharmacy	562073
Tue	17-05-2022 2.00 pm to 5.00 pm	III	Pharmacy Practice	562074
Wed	18-05-2022 2.00 pm to 5.00 pm	IV	Novel Drug Delivery System	562075

Non University Exam

Thur	20.05.2022	V	Practice School (Theory)	562076
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sd/-

CONTROLLER OF EXAMINATIONS (FAC)

Dr. N. SENTHILKUMAR,
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The Tamil Nadu Dr.M.G.R. Medical University

Day Date and Time Paper Subjects Q.P. Code

TIME TABLE

**POST GRADUATE DEGREE COURSE
M.PHARM. EXAMINATIONS**

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

OCTOBER 2021 Session held on APRIL 2022

SEMESTER I

(Candidates admitted up to 2020 - 2021)

(PHARMACEUTICS - MPH)

Mon	18.04.2022 02.00 pm to 05.00 pm	I	MODERN PHARMACEUTICAL ANALYTICAL TECHNIQUES	262931
Tue	19.04.2022 02.00 pm to 05.00 pm	II	DRUG DELIVERY SYSTEM	262932
Wed	20.04.2022 02.00 pm to 05.00 pm	III	MODERN PHARMACEUTICS	262933
Thu	21.04.2022 02.00 pm to 05.00 pm	IV	REGULATORY AFFAIR	262934

(PHARMACEUTICAL CHEMISTRY - MPC)

Mon	18.04.2022 02.00 pm to 05.00 pm	I	MODERN PHARMACEUTICAL ANALYTICAL TECHNIQUES	262941
Tue	19.04.2022 02.00 pm to 05.00 pm	II	ADVANCED ORGANIC CHEMISTRY I	262942
Wed	20.04.2022 02.00 pm to 05.00 pm	III	ADVANCED MEDICINAL CHEMISTRY	262943
Thu	21.04.2022 02.00 pm to 05.00 pm	IV	CHEMISTRY OF NATURAL PRODUCTS	262944



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Day	Date and Time	Paper	Subjects	Q.P. Code
<u>(PHARMACEUTICAL ANALYSIS - MPA)</u>				
Mon	18.04.2022 02.00 pm to 05.00 pm	I	MODERN PHARMACEUTICAL ANALYTICAL TECHNIQUES	262951
Tue	19.04.2022 02.00 pm to 05.00 pm	II	ADVANCED PHARMACEUTICAL ANALYSIS	262952
Wed	20.04.2022 02.00 pm to 05.00 pm	III	PHARMACEUTICAL VALIDATION	262953
Thu	21.04.2022 02.00 pm to 05.00 pm	IV	FOOD ANALYSIS	262954

(PHARMACEUTICAL BIOTECHNOLOGY - MPB)

Mon	18.04.2022 02.00 pm to 05.00 pm	I	MODERN PHARMACEUTICAL ANALYTICAL TECHNIQUES	262961
Tue	19.04.2022 02.00 pm to 05.00 pm	II	MICROBIAL AND CELLULAR BIOLOGY	262962
Wed	20.04.2022 02.00 pm to 05.00 pm	III	BIOPROCESS ENGINEERING AND TECHNOLOGY	262963
Thu	21.04.2022 02.00 pm to 05.00 pm	IV	ADVANCED PHARMACEUTICAL BIOTECHNOLOGY	262964



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The Tamil Nadu Dr.M.G.R. Medical University

(PHARMACY PRACTICE - MPP)

Mon	18.04.2022 02.00 pm to 05.00 pm	I	CLINICAL PHARMACY PRACTICE	262971
Tue	19.04.2022 02.00 pm to 05.00 pm	II	PHARMACOTHERAPEUTICS-I	262972
Wed	20.04.2022 02.00 pm to 05.00 pm	III	HOSPITAL AND COMMUNITY PHARMACY	262973
Thu	21.04.2022 02.00 pm to 05.00 pm	IV	CLINICAL RESEARCH	262974

(PHARMACOLOGY - MPL)

Mon	18.04.2022 02.00 pm to 05.00 pm	I	MODERN PHARMACEUTICAL ANALYTICAL TECHNIQUES	262981
Tue	19.04.2022 02.00 pm to 05.00 pm	II	ADVANCED PHARMACOLOGY - I	262982
Wed	20.04.2022 02.00 pm to 05.00 pm	III	PHARMACOLOGICAL AND TOXICOLOGICAL SCREENING METHODS - I	262983
Thu	21.04.2022 02.00 pm to 05.00 pm	IV	CELLULAR AND MOLECULAR PHARMACOLOGY	262984




Dr. N. SENTHILKUMAR,
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The Tamil Nadu Dr.M.G.R. Medical University

(PHARMACOGNOSY - MPG)

Mon	18.04.2022 02.00 pm to 05.00 pm	I	MODERN PHARMACEUTICAL ANALYTICAL TECHNIQUES	262991
Tue	19.04.2022 02.00 pm to 05.00 pm	II	ADVANCED PHARMACOGNOSY - I	262992
Wed	20.04.2022 02.00 pm to 05.00 pm	III	PHYTOCHEMISTRY	262993
Thu	21.04.2022 02.00 pm to 05.00 pm	IV	INDUSTRIAL PHARMACOGNOSTICAL TECHNOLOGY	262994




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The Tamil Nadu Dr.M.G.R. Medical University

Day Date and Time 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.

OCTOBER 2021 SESSION held in APRIL 2022

SEMESTER II

(PHARMACEUTICS - MPH)

Mon	18.04.2022 09.30 am to 12.30 pm	I	MOLECULAR PHARMACEUTICS (NANO TECH AND TARGETED DDS)	262935
Tue	19.04.2022 09.30 am to 12.30 pm	II	ADVANCED BIOPHARMACEUTICS & PHARMACOKINETICS	262936
Wed	20.04.2022 09.30 am to 12.30 pm	III	COMPUTER AIDED DRUG DELIVERY SYSTEM	262937
Thu	21.04.2022 09.30 am to 12.30 pm	IV	COSMETIC AND COSMECEUTICALS	262938

(PHARMACEUTICAL CHEMISTRY - MPC)

Mon	18.04.2022 09.30 am to 12.30 pm	I	ADVANCED SPECTRAL ANALYSIS	262945
Tue	19.04.2022 09.30 am to 12.30 pm	II	ADVANCED ORGANIC CHEMISTRY II	262946
Wed	20.04.2022 09.30 am to 12.30 pm	III	COMPUTER AIDED DRUG DESIGN	262947
Thu	21.04.2022 09.30 am to 12.30 pm	IV	PHARMACEUTICAL PROCESS CHEMISTRY	262948



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NALLUR, NIKKAL DISTRICT, TAMILNADU.



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The Tamil Nadu Dr.M.G.R. Medical University

(PHARMACEUTICAL ANALYSIS - MPA)

Mon	18.04.2022 09.30 am to 12.30 pm	I	ADVANCED INSTRUMENTAL ANALYSIS	262955
Tue	19.04.2022 09.30 am to 12.30 pm	II	MODERN BIO ANALYTICAL TECHNIQUES	262956
Wed	20.04.2022 09.30 am to 12.30 pm	III	QUALITY CONTROL AND QUALITY ASSURANCE	262957
Thu	21.04.2022 09.30 am to 12.30 pm	IV	HERBAL AND COSMETIC ANALYSIS	262958

(PHARMACEUTICAL BIOTECHNOLOGY - MPB)

Mon	18.04.2022 09.30 am to 12.30 pm	I	PROTEINS AND PROTEIN FORMULATION	262965
Tue	19.04.2022 09.30 am to 12.30 pm	II	IMMUNOTECHNOLOGY	262966
Wed	20.04.2022 09.30 am to 12.30 pm	III	BIOINFORMATICS AND COMPUTER TECHNOLOGY	262967
Thu	21.04.2022 09.30 am to 12.30 pm	IV	BIOLOGICAL EVALUATION OF DRUG THERAPY	262968

(PHARMACY PRACTICE - MPP)

Mon	18.04.2022 09.30 am to 12.30 pm	I	PRINCIPLES OF QUALITY USE OF MEDICINES	262975
Tue	19.04.2022 09.30 am to 12.30 pm	II	PHARMACOTHERAPEUTICS-II	262976
Wed	20.04.2022 09.30 am to 12.30 pm	III	CLINICAL PHARMACOKINETICS AND THERAPEUTIC DRUG MONITORING	262977
Thu	21.04.2022 09.30 am to 12.30 pm	IV	PHARMACOEPIDEMOLOGY AND PHARMACOECONOMICS	262978



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NAMAKKAL DISTRICT, TAMILNADU.



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The Tamil Nadu Dr.M.G.R. Medical University

(PHARMACOLOGY - MPL)

Mon	18.04.2022 09.30 am to 12.30 pm	I ADVANCED PHARMACOLGY - II	262985
Tue	19.04.2022 09.30 am to 12.30 pm	II PHARMACOLOGICAL AND TOXICOLOGICAL SCREENING METHODS - II	262986
Wed	20.04.2022 09.30 am to 12.30 pm	III PRINCIPLES OF DRUG DISCOVERY	262987
Thu	21.04.2022 09.30 am to 12.30 pm	IV CLINICAL RESEARCH AND PHARMACOVIGILANCE	262988

(PHARMACOGNOSY - MPG)

Mon	18.04.2022 09.30 am to 12.30 pm	I MEDICINAL PLANT BIOTECHNOLOGY	262995
Tue	19.04.2022 09.30 am to 12.30 pm	II ADVANCED PHARMACOGNOSY - II	262996
Wed	20.04.2022 09.30 am to 12.30 pm	III INDIAN SYSTEM OF MEDICINE	262997
Thu	21.04.2022 09.30 am to 12.30 pm	IV HERBAL COSMETICS	262998



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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.)

October 2021 session held on April 2022

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

Mon	25-04-2022	I	RESEARCH METHODOLOGY AND BIOSTATISTICS	269913
Tue	26-04-2022	IV	RESEARCH WORK	269916




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The Tamil Nadu Dr.M.G.R. Medical University

Day Date and Time Paper Subjects Q.P. Code

POST GRADUATE DEGREE COURSE
M.PHARM EXAMINATIONS

OCTOBER 2021 SESSION held on APRIL 2022 EXAMINATIONS

FIRST YEAR

(COMMON TO ALL BRANCHES)

Mon	18-04-2022 02.00 pm to 5.00 pm	I	Modern Pharmaceutical Analytical Techniques	262901
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SPECIALITY PAPERS

BRANCH-I --> PHARMACEUTICS

Tue	19-04-2022 02.00 pm to 05.00 pm	II	Industrial Pharmacy	262902
Wed	20-04-2022 02.00 pm to 05.00 pm	III	Bio-Pharmaceutics and Pharmacokinetics	262903
Thu	21-04-2022 02.00 pm to 05.00 pm	IV	Advances in Drug Delivery System	262904

BRANCH-II --> PHARMACEUTICAL CHEMISTRY

Tue	19-04-2022 02.00 pm to 05.00 pm	II	Advanced Organic Chemistry	262905
Wed	20-04-2022 02.00 pm to 05.00 pm	III	Advanced Medicinal Chemistry	262906
Thu	21-04-2022 02.00 pm to 05.00 pm	IV	Natural Products of Medicinal Interest	262907





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The Tamil Nadu Dr.M.G.R. Medical University

BRANCH-III -> PHARMACOGNOSY

Tue	19-04-2022 02.00 pm to 05.00 pm	II	Pharmacognosy	262908
Wed	20-04-2022 02.00 pm to 05.00 pm	III	Biogenesis and Chemistry of Natural Products	262909
Thu	21-04-2022 02.00 pm to 05.00 pm	IV	Phytochemistry and Biotechnology	262910



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The Tamil Nadu Dr.M.G.R. Medical University

BRANCH-VI --> PHARMACEUTICAL BIO-TECHNOLOGY

Tue	19-04-2022 02.00 pm to 05.00 pm	II	Pharmaceutical Aspects of Microbial and Cellular Biology	262917
Wed	20-04-2022 02.00 pm to 05.00 pm	III	Bio-process Technology	262918
Thu	21-04-2022 02.00 pm to 05.00 pm	IV	Advances in Pharmaceutical Bio-Technology	262919

BRANCH-VII --> PHARMACY PRACTICE

Tue	19-04-2022 02.00 pm to 05.00 pm	II	Pharmacotherapeutics (Including Pathophysiology)	262920
Wed	20-04-2022 02.00 pm to 05.00 pm	III	Hospital and Community Pharmacy	262921
Thu	21-04-2022 02.00 pm to 05.00 pm	IV	Clinical Pharmacy	262922

CONTROLLER OF EXAMINATIONS




Dr. N. SENTHILKUMAR,
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The Tamil Nadu Dr.M.G.R. Medical University

TAMIL NADU DR.M.G.R MEDICAL UNIVERSITY
INTEGRATED DEGREE COURSE
PHARM. D EXAMINATIONS (2009-2010 Regulation)

April 2022 Session held on May 2022
(Candidates Admitted upto 2020-2021)

FIRST YEAR

Day	Date	Paper	Subject	Q.P Code
Wed	04-05-2022 9.30 am to 12.30 pm	I	Human Anatomy and Physiology	383801
Thu	05-05-2022 9.30 am to 12.30 pm	II	Pharmaceutics	383802
Fri	06-05-2022 9.30 am to 12.30 pm	III	Medicinal Bio-Chemistry	383803
Mon	09-05-2022 9.30 am to 12.30 pm	IV	Pharmaceutical Organic Chemistry	383804
Tue	10-05-2022 9.30 am to 12.30 pm	V	Pharmaceutical Inorganic Chemistry	383805
Wed	11-05-2022 9.30 am to 12.30 pm	VI	Remedial Mathematics (OR) Remedial Biology	383806 / 383832 383831 / 383833

SECOND YEAR

Thu	12-05-2022 2.00 pm to 5.00 pm	I	Pathophysiology	383807
Fri	13-05-2022 2.00 pm to 5.00 pm	II	Pharmaceutical Microbiology	383808
Mon	16-05-2022 2.00 pm to 5.00 pm	III	Pharmacognosy & Phytopharmaceuticals	383809
Tue	17-05-2022 2.00 pm to 5.00 pm	IV	Pharmacology-I	383810
Wed	18-05-2022 2.00 pm to 5.00 pm	V	Community Pharmacy	383811
Thu	19-05-2022 2.00 pm to 5.00 pm	VI	Pharmacotherapeutics-I	383812



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PHARM. 'D' EXAMINATIONS

THIRD YEAR

Wed	04-05-2022 2.00 pm to 5.00 pm	I	Pharmacology-II	383813
Thu	05-05-2022 2.00 pm to 5.00 pm	II	Pharmaceutical Analysis	383814
Fri	06-05-2022 2.00 pm to 5.00 pm	III	Pharmacotherapeutics-II	383815
Mon	09-05-2022 2.00 pm to 5.00 pm	IV	Pharmaceutical Jurisprudence	383816
Tue	10-05-2022 2.00 pm to 5.00 pm	V	Medicinal Chemistry	383817
Wed	11-05-2022 2.00 pm to 5.00 pm	VI	Pharmaceutical Formulations	383818

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

FOURTH YEAR

Thu	12-05-2022 9.30 am to 12.30 pm	I	Pharmacotherapeutics-III	383819
Fri	13-05-2022 9.30 am to 12.30 pm	II	Hospital Pharmacy	383820
Mon	16-05-2022 9.30 am to 12.30 pm	III	Clinical Pharmacy	383821
Tue	17-05-2022 9.30 am to 12.30 pm	IV	Biostatistics & Research Methodology	383822
Wed	18-05-2022 9.30 am to 12.30 pm	V	Biopharmaceutics & Pharmacokinetics	383823
Thu	19-05-2022 9.30 am to 12.30 pm	VI	Clinical Toxicology	383824
Fri	20-05-2022 9.30 pm to 12.30 pm	VII	Pharmacotherapeutics-I & II *	383828

Pharm. 'D' (Post Baccalaureate) Candidates only



Dr. N. SENTHIL KUMAR,
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KANNIYAKUMARI DISTRICT TAMIL NADU




தமிழ்நாடு டாக்டர் எம்.ஜி.ஆர். மருத்துவப் பல்கலைக்கழகம்
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FIFTH YEAR

Wed	04-05-2022 9.30 am to 12.30 pm	I	Clinical Research	383825
Thu	05-05-2022 9.30 am to 12.30 pm	II	Pharmacoepidemiology and Pharmacoeconomics	383826
Fri	06-05-2022 9.30 am to 12.30 pm	III	Clinical Pharmacokinetics & Pharmacotherapeutic Drug Monitoring	383827

Sd/-
CONTROLLER OF EXAMINATIONS (FAC)




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Ph : 9789456750, 9843035735, 9789456737.

THE TAMILNADU Dr.M.G.R. MEDICAL UNIVERSITY

69, ANNA SALAI, GUINDY, CHENNAI – 600 032

ARRANGEMENT OF SEATS

		Month & Year of Exam : SEP – 2021 (APR.2022)		
Course	:	56.B.Pharm EIGHTH SEMESTER		
Exam Center	:	082.ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY, KUMARAPALAYAM		
Subject/Paper	:	BIostatISTICS AND RESEARCH METHODOLOGY (562077)		
Date & Session of Exam	:	04-04-2022 F		
ROW I	ROW II	ROW III	ROW IV	ROW V
561758001	561758019	561758042	561758060	561758086
561758002	561758020	561758043	561758061	561758087
561758003	561758021	561758044	561758064	561758088
561758004	561758022	561758045	561758067	561758090
561758005	561758025	561758046	561758068	561758091
561758006	561758026	561758047	561758070	561758092
561758007	561758027	561758048	561758071	561758093
561758008	561758028	561758049	561758072	561758094
561758009	561758029	561758050	561758073	561758096
561758010	561758030	561758051	561758074	561758097
561758011	561758031	561758052	561758075	561758098
561758012	561758032	561758053	561758076	561758099
561758013	561758034	561758054	561758077	561758100
561758014	561758036	561758055	561758079	561858091
561758015	561758038	561758056	561758081	561858092
561758016	561758039	561758057	561758083	-
561758017	561758040	561758058	561758084	-
561758018	561758041	561758059	561758085	-



Dr. N. Senthilkumar,
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THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[BPHARM 0921]

SEPTEMBER 2021
(SEPTEMBER 2020 EXAM SESSION)

Sub. Code: 2001

B.PHARM. DEGREE EXAMINATION
PCI Regulation 2017 – SEMESTER I
PAPER I – HUMAN ANATOMY AND PHYSIOLOGY - I
Q.P. Code: 562001

Time: Three hours

Maximum: 75 Marks

I. Elaborate on: Answer any TWO questions. (2 x 10 = 20)

1. Define Erythropoiesis. Explain the factors influencing Erythropoiesis.
2. Give an account of anatomy and physiology of the Parasympathetic branch of autonomic nervous system.
3. Write the help of a neat labeled diagram explain bones of Skull.

II. Write notes on: Answer any SEVEN questions. (7 x 5 = 35)

1. Describe various types of Muscular tissue.
2. Write a note on Lymph node.
3. Discuss the mechanism of Clotting.
4. Write a note on Megaloblastic anaemia and Iron deficiency anaemia.
5. Physiology of Audition.
6. Explain role of Baroreceptors and its functions.
7. Write a note on Neuromuscular junction.
8. Explain the Physiology behind Vision formation.
9. Write a note on disorders of White Blood Corpuscle.

III. Short answers on: Answer ALL questions. (10 x 2 = 20)

1. Diseases of Eye
2. Cardiac cycle
3. Composition of blood
4. Pulmonary circulation
5. Hypertension
6. Action potential
7. Types of Joints
8. Functions of Skin
9. Presbyopia
10. Christmas factor.



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NAMAKKAL DISTRICT, TAMIL NADU.



DOCTOR OF PHARMACY (PHARM. D) DEGREE EXAMINATION

(Regulations 2008-2009)

(Candidates admitted from 2008-2009 onwards)

FIRST YEAR

PAPER V – PHARMACEUTICAL INORGANIC CHEMISTRY

Q.P. Code: 383805

Time: Three Hours

Maximum: 70 marks

Answer ALL questions

I. Elaborate on:

(2 x 20 = 40)

1. a) Describe the various sources of impurities in pharmaceutical substances.
b) What is ceriometry? Explain its advantage over other oxidizing agents.
c) List out various volumetric methods and explain back titration with example.
2. a) What is complexometric titrations. Explain its principle with suitable examples.
b) Explain the various theories of indicators.
c) Describe the principle and procedure involved in the limit test for Iron.

II. Write notes on:

(6 x 5 = 30)

1. What are antacid?
Classify them with examples.
Give the method of preparation of any one of them.
2. Explain the role of fluorides as anti caries agent.
3. Define the following terms:
 - a) Cathartics.
 - b) Disinfectant.
 - c) Aantiseptic.
 - d) Astringent.
 - e) Dentritrices.
4. Write the composition of Ringer's solution. Explain its importance.
5. Describe the principle involved in modified volhard's method with example.
6. Write short notes on pharmaceutical aid.

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

[LL 931]

NOVEMBER 2017

Sub. Code: 2931

M.PHARM. DEGREE EXAMINATION
(PCI New regulations 2016)
SEMESTER-I
PHARMACEUTICS – MPH
PAPER I – MODERN PHARMACEUTICAL ANALYTICAL TECHNIQUES

Q.P. Code : 262931

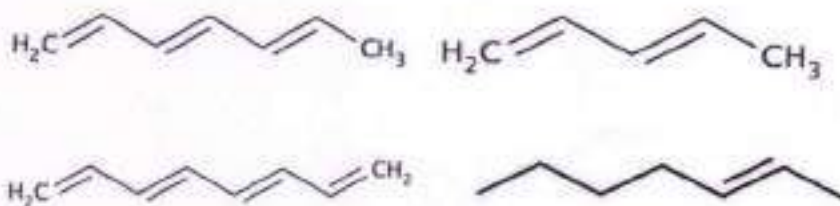
Time : Three hours

Maximum : 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. a) Describe the theory and factors affecting the measurement of fluorescence.
b) With a neat diagram describe the instrumentation and applications of Spectrofluorimeter.
2. a) i) Which of the following molecules would absorb the longest wavelength and why?



- ii) How many number of vibrational modes possible for carbon dioxide molecule?
- b) Discuss Bragg's law, types of crystals and applications of X-ray diffraction.

II. Write notes on:

(7 x 5 = 35)

1. State and explain Beer-Lambert Law. Write briefly about the deviations of the absorption laws.
2. Write short notes on chemical shift.
3. With a neat diagram explain the construction and working of Hollow cathode lamp and Photomultiplier tube.
4. Explain the fundamental vibrations of the molecules in IR spectrophotometry.
5. Discuss McLafferty rearrangement and its significance in structural diagnosis.
6. Write a note on detectors used in HPLC.
7. Discuss the principle and applications of Bioluminescence assays.




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

[BPHARM 0921]

SEPTEMBER 2021
(SEPTEMBER 2020 EXAM SESSION)

Sub. Code: 2005

B.PHARM. DEGREE EXAMINATION
PCI Regulation 2017 – SEMESTER I
PAPER III – PHARMACEUTICS - I
Q.P. Code: 562005

Time: Three hours

Maximum: 75 Marks

I. Elaborate on: Answer any TWO questions.

(2 x 10 = 20)

1. Define Pharmacopoeia. Explain about its significance. Give a brief review on the development of Indian Pharmacopoeia and British Pharmacopoeia.
2. Define Posology. Enumerate the factors affecting posology. How paediatric dose is calculated on the basis of age, bodyweight and body surface area.
3. Define Incompatibility. Describe about various types of incompatibility with examples and provide its remedies.

II. Write notes on: Answer any SEVEN questions.

(7 x 5 = 35)

1. Explain about different parts of Prescription.
2. a. How much ml of 30% dextrose in water and 60% dextrose in water are needed to make 750 ml of 45% dextrose in water?
b. What % strength corresponds to 40° O/P and 60° U/P
3. Discuss about Powders used for external use with examples
4. Write about method of preparation of Throat Paint and its application.
5. Differentiate Flocculated and Deflocculated suspension.
6. Explain different methods of preparation of Emulsion.
7. Describe the properties of Ideal suppository base.
8. What are pastes? Give its salient features. Comment on preparation of paste.
9. Classify gels and enlist components used in preparation of gels.

III. Short answers on: Answer ALL questions.

(10 x 2 = 20)

1. Mention two stability problems associated with Emulsion.
2. Difference between Simple and Compound powder. Give example
3. If the adult dose is 60 mg and the age of child is 6 years what will be the dose for the child according to Dilling's rule.
4. Convert 90% v/v alcohol into its proof strength.
5. Explain Synergistic effect.
6. What is mean by Counter irritant? Give example.
7. Write about Diffusible and Indiffusible solids.
8. Define the term Displacement value.
9. Define emulsion.
10. Mention about types of Ointment bases.



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

[BPHARM 0921]

SEPTEMBER 2021
(SEPTEMBER 2020 EXAM SESSION)

Sub. Code: 2003

B.PHARM. DEGREE EXAMINATION
PCI Regulation 2017 – SEMESTER I
PAPER II – PHARMACEUTICAL ANALYSIS - I
Q.P. Code: 562003

Time: Three hours

Maximum: 75 Marks

I. Elaborate on: Answer any TWO questions. (2 x 10 = 20)

1. Explain in detail about the following
 - a) Sources of Impurities in Medicinal agents.
 - b) Estimation of Sodium chloride by Mohr's method.
2. What is Gravimetry? Explain the steps involved in Gravimetry.
3. Write the principle of Complexometric titration. How will you estimate Magnesium sulphate and Calcium gluconate by Complexometry?

II. Write notes on: Answer any SEVEN questions. (7 x 5 = 35)

1. Define Acids and Bases. Explain Neutralization curves in Acid-base titration.
2. How will you estimate Barium sulphate?
3. What are the various applications of Polarography?
4. Discuss in detail about Modified Volhard's method.
5. What are Non aqueous solvents? Explain the principle and procedure involved in the estimation of Sodium benzoate by Non aqueous titration.
6. Write briefly about Diazofisation titration.
7. Write a detailed note on the preparation and standardisation of Ceric ammonium sulphate.
8. Describe the principle, reaction and procedure involved in the Limit test for Chloride.
9. Explain the construction and working of Glass Electrode.

III. Short answers on: Answer ALL questions. (10 x 2 = 20)

1. Define Accuracy.
2. Write any two applications of Potentiometry.
3. Explain the principle of Redox titration.
4. Define Half wave potential.
5. What do you mean by Co-precipitation?
6. Define Primary standard. Give example.
7. Define Normality.
8. What is Ilkovic equation?
9. Define Indicators.
10. What are Chelating agents?



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RESULT GALLEY

Exam Session : SEP 2021

Course & Term : 56 - B.Pharm. EIGHTH SEMESTER

Institution : 082-ANNAI J.K.K. SAMPOORANI AMMAL COLLEGE OF PHARMACY KOMARAPALAYAM,

S. No.	Register No.	Name of the Candidate	A P P	Pattern: J.2017 (J)						
				562077 BIOSTATISTICS AND RESEARCH METHODOLOGY (T)	562078 SOCIAL AND PREVENTIVE PHARMACY (T)	562079 PHARMA MARKETING MANAGEMENT (T)	562080 PHARMACEUTICAL REGULATORY SCIENCE (T)	562081 PHARMACOVI GILANCE (T)	562082 QUALITY CONTROL AND STANDARDIZ ATION OF HERBALS (T)	562083 COMPUTER AIDED DRUG DESIGN (T)
1	561758001	AAKASH S	1	PASS	PASS	—	—	—	PASS	—
2	561758002	ABINAYA V	1	PASS	PASS	—	—	—	PASS	—
3	561758003	AJAY KUMAR M	1	PASS	PASS	—	—	—	PASS	—
4	561758004	AKLANDESWARAN S	1	PASS	PASS	—	—	—	PASS	—
5	561758005	AMARNATH A	1	PASS	PASS	—	—	—	PASS	—
	561758006	ANANTH R	1	PASS	PASS	—	—	—	PASS	—
7	561758007	ANBUDURAI S	1	PASS	PASS	—	—	—	PASS	—
8	561758008	ARJUNAN K	1	PASS	PASS	—	—	—	PASS	—
9	561758009	ARUN KUMAR R	1	PASS	PASS	—	—	—	PASS	—
10	561758010	ARUNPRAKASH S	1	PASS	PASS	—	—	—	PASS	—
11	561758011	AYYASAMY R	1	PASS	PASS	—	—	—	PASS	—
12	561758012	BALA GURU IT	1	PASS	PASS	—	—	—	PASS	—
13	561758013	CHANDRU D	1	PASS	PASS	—	—	—	PASS	—
14	561758014	DEEPA P	1	PASS	PASS	—	—	—	PASS	—
15	561758015	DEEPIKA R	1	PASS	PASS	—	—	—	PASS	—
16	561758016	DEVASHRI P B	1	PASS	PASS	—	—	—	PASS	—
17	561758017	DHARMASEELAN K	1	PASS	PASS	—	—	—	PASS	—
18	561758018	DHILEEP M	1	PASS	PASS	—	—	—	PASS	—
19	561758019	DINESHKUMAR B	1	PASS	PASS	—	—	—	PASS	—
20	561758020	DIVAKAR A	1	PASS	PASS	—	—	—	PASS	—
	561758021	DIVYA K	1	PASS	PASS	—	—	—	PASS	—
22	561758022	ESWARAN N P	1	PASS	PASS	—	—	—	PASS	—
23	561758025	GOKULAKANNAN M	1	PASS	PASS	—	—	—	PASS	—
24	561758026	GUNA V	1	PASS	PASS	—	—	—	PASS	—
25	561758027	HARISH SRIDHAR S	1	PASS	PASS	—	—	—	PASS	—
26	561758028	HARSHA YARDHINEE K	1	PASS	PASS	—	—	—	PASS	—
27	561758029	HEMALATHA A	1	PASS	PASS	—	—	—	PASS	—
28	561758030	JAGADESWARAN C	1	PASS	PASS	—	—	—	PASS	—
29	561758031	JAIKUMAR P	1	PASS	PASS	—	—	—	PASS	—
30	561758032	JAWAHAR M	1	PASS	PASS	—	—	—	PASS	—
31	561758034	JEEVITHA G	1	PASS	PASS	—	—	—	PASS	—
32	561758036	KABILAN R	1	PASS	PASS	—	—	—	PASS	—



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