



Children's Education Society (Regd.)

The Oxford College of Pharmacy

(Recognised by the Govt. of Karnataka, Affiliated to Rajiv Gandhi University of Health Sciences, Karnataka;
Approved by Pharmacy Council of India, New Delhi)

Accredited by NAAC and International Accreditation Organization (IAO)

Date: 02.08.2021

This is to inform you that Dr. G. Nagalakshmi, Associate Professor, Department of Pharmaceutical Chemistry is hereby appointed as The Dean-Examination of our Institution with immediate effect and she will hold this position until further orders.

P. Padma

PRINCIPAL

PRINCIPAL

The Oxford College of Pharmacy
No.6/9, 1st Cross, Begur Road, Hongasandra
Bangalore - 560 068

To

1. Dr. G. Nagalakshmi,
Associate Professor,
Department of Pharmaceutical Chemistry,
The Oxford College of Pharmacy,
Bangalore-560068

Copy to:

1. The Head of the Department, The oxford College of Pharmacy, Bangalore-560068.



No.6/9, 1st Cross, Begur Road, Hongasandra, Bengaluru -560 068
☎: +91- 80 - 61754694; Fax: +91- 80 -61754699; www.theoxford.edu
e-mail: pharmacyprincipal@theoxford.edu; info@theoxford.edu;



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Ref. No.: TOCP/DEC/01/2021-22

Date: 13.09.2021

NOTIFICATION

Sub: Constitution of Internal Board of Examiners

The following faculty members are appointed as Internal Board of Examiners for scrutinising up of question paper with respect to UG and PG Internal Examination until further notice.

The Examiners shall maintain confidentiality and adhere to the rules and regulations of the University and Institution.

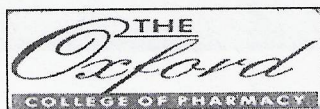
Committees under dean examination:

Dr. G. Nagalakshmi ., Associate Professor Dean-examination

<u>INTERNAL EXAMINATION ASSESSMENT COMMITTEE</u>			
SR.NO.	POST	NAME OF THE TEACHER	DEPARTMENT
1	CHAIRMAN	Dr. G. Nagalakshmi	Pharmaceutical chemistry
2	MEMBER	Dr. G. Venkata Karthik Kumar Reddy	Pharmacology
3	MEMBER	Dr. Jyoti Shrivastava	Pharmaceutical Chemistry
4	MEMBER	Ms. Merin Susan Abraham	Pharmacy Practice
5	MEMBER	Ms. Nagalakshmi R	Pharmacology
6	MEMBER	Ms. Patel Seena Ghanshyamkumar	Pharmaceutical Chemistry

<u>QUESTION PAPER SCRUTINY COMMITTEE</u>			
SR.NO.	POST	NAME OF THE TEACHER	DEPARTMENT
1	CHAIRMAN	Dr. Padmaa M Paarakh	PRINCIPAL
2	DEAN EXAM	Dr. G. Nagalakshmi	Pharmaceutical chemistry
3	MEMBER	Dr. Gururaj S. Kulkarni	Pharmaceutics
4	MEMBER	Dr. Anjali Raj	Pharmacology
5	DEAN ACADEMICS/ MEMBER	Dr. Parthasarathy G.	Pharmacy Practice
6	MEMBER	Dr. Jyoti Shrivastava	Pharmaceutical chemistry

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EXAMINATION CELL, TOCP, BANGALORE

GUIDELINES FOR CONDUCTING SESSIONAL EXAMINATION

1. The students should reach the examination 10 minutes early before the commencement of examination.
2. Seating Arrangement should be followed strictly by the students and should be monitored by the invigilators.
3. The students are allowed to leave the examination hall only after the ~~permission~~ of the invigilator.
4. In exam, scientific calculators, mobile phones, smart watches are not allowed.
5. The students must carry their ID-cards, stationery and water bottle along with them.
6. Student must write their registration number on the booklet and on the question paper in the beginning of exam.
7. If any student is found using unfair means, they will be asked to leave the examination hall immediately and other disciplinary action also will be taken.

G. Nagalakshmi
DEAN EXAM

Dr. G. Nagalakshmi

G. Parthasarathy

DEAN ACADEMICS

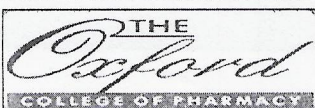
Dr. G. Parthasarathy

P. Padma
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Dr. Padmaa M Paarakh

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GRIEVANCE COMMITTEE 2021-22

COMMITTEE MEMBERS:

S.NO.	NAME OF THE MEMBER	DESIGNATION	POST
1	Dr. PADMAA M PAARAKH	PRINCIPAL	CHAIRPERSON
2	Mrs. SURINDER KAUR	ASSOC. PROFESSOR	MEMBER SECRETARY
3	Dr. PARTHASARATHY	PROFESSOR & HOD	MEMBER
4	Ms. NAGALAKSHMI R	ASST. PROFESSOR	MEMBER
5	Dr. ELSAMMA THOMAS	MANAGER HOSTEL	MEMBER
6	Mr. GURUMURTHI	ADVOCATE	MEMBER
7	Mr. RAHUL	STUDENT REPRESENTATIVE	INVITE
8	Mr. LOKESH	STUDENT REPRESENTATIVE	INVITE

P. Padma
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TOCP/GRC/2021-22/01

Date: 15.06.2022

To

The Principal,

The Oxford College of Pharmacy,

Bangalore-68.

Subject: Regarding the Internal Assessment grievances for the academic year 2021-22

Respected Madam,

In order to maintain transparency and fairness in sessional examination, the Dean examination would review the process in consultation with central grievance redressal committee. Whereas if any grievances pertaining to sessional examination are reported and will be routed to central grievance committee and same will be addressed by central grievance committee.

Whereas, for the academic year 2021-22, upon evaluating all the sessional examination, there were no major grievances reported pertaining to sessional examination. However, there were few pertaining to less marks in some questions and counting mistakes, which were not grouped into major grievances.

From,

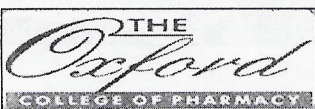
Gm
Dr. G. Nagalakshmi,

Associate Professor,

Dean Examination,

The Oxford College of Pharmacy,

Bangalore-560068.



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I SESSIONAL TIMETABLE FOR M PHARM I SEM PHARMACOLOGY(2021-22)

Date	Time	Subject
28/3/2022	9:00-4:00 pm	Pharmacology practical I
29/3/2022	10.00-11am	Modern Pharmaceutical Analytical Techniques
30/3/2022	9-12 pm	Modern Pharmaceutical Analytical Techniques practical
30/3/2022	2:00-3:00 pm	Advanced Pharmacology-I
31/3/2022	10.00-11am	Pharmacological and Toxicological Screening Methods-I
01/04/2022	10.00-11am	Cellular and Molecular Pharmacology

G. Nagalakshmi
DEAN EXAM
Dr. G. Nagalakshmi

[Signature]
DEAN ACADEMICS
Dr. G. Parthasarathy

P. Padma
PRINCIPAL
Dr. Padmaa M Paarakh

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M. PHARM (PHARMACOLOGY) RS5 – I SEMESTER

SESSIONAL EXAM (Internal Assessment)- I

Date of Exam :30/03/2022

SUBJECT CODE:	MPL101T	TOTAL MARKS	30
SUBJECT NAME:	Advanced Pharmacology-I	EXAM HRS.	1 hour 10.00 to 11.00 AM

COURSE OBJECTIVE: The Objective of this course is to Produce postgraduates with advanced knowledge and understanding of pharmacology; higher order critical, analytical, problem solving and transferable skills. Uphold all laws, regulations, safety and ethical standards that apply to the experimental procedures in animals and the environment as well as to impart adequate hands-on training in various animal models and determine the effects of drugs using animal models Provide practical inputs in pharmacokinetic studies of various drugs and formulations in animals to establish in-vitro and in-vivo correlations and prepare the students in teamwork, lifelong learning and continuous improvement.

LONG ESSAYS (ANSWER ALL THE QUESTIONS) 4X7.5 = 30 MARKS	Marks	CO	Bloom's Taxonomy Level *
1. What are the factors affecting the absorption and distribution of drugs. Add a note on significance of plasma protein binding.	7.5	CO (3)	L1
2. Define and classify sympathomimetic drugs with examples. Explain the pharmacology of any one sympathomimetic drug.	7.5	CO (3)	L1
3. Explain the steps involved in neuro-humoral transmission in central nervous system. Add a note on any neurotransmitter of CNS.	7.5	CO (3)	L1
4. Define and classify antidepressants with examples. Write the pharmacology of SSRIs and TCAs.	7.5	CO (2)	L2

{e.g. CO(1), PO (1-3,8,11), PSO (1,2)} * (e.g.L1, L2) Note: Bloom's taxonomy has 6 levels which are: L1 Remembering (Knowledge), L2 Understanding (Comprehension), L3 Applying, L4 Analyzing, L5 Evaluating and L6 Creating

COURSE OUTCOMES

CO1	Discuss the pathophysiology and pharmacotherapy of certain diseases
CO2	Explain the mechanism of drug actions at cellular and molecular level
CO3	Understand the adverse effects, contraindications and clinical uses of drugs used in treatment of diseases



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II SESSIONAL TIMETABLE FOR M PHARM I SEM PHARMACOLOGY(2021-22)

Date	Time	Subject
29/6/2022	9:00-12:00 pm	Modern Pharmaceutical Analytical Techniques practical
29/6/2022	2:00-3:00 pm	Modern Pharmaceutical Analytical Techniques
30/6/2022	10.00-11am	Advanced Pharmacology-I
01/7/2022	10.00-11am	Pharmacological and Toxicological Screening Methods-I
02/7/2022	10.00-11am	Cellular and Molecular Pharmacology
04/7/2022	9:00-3:00 pm	Pharmacology Practical

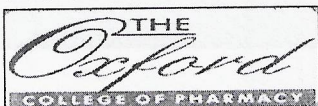
G. Nagalakshmi
DEAN EXAM
Dr. G. Nagalakshmi

G. Parthasarathy
DEAN ACADEMICS
Dr. G. Parthasarathy

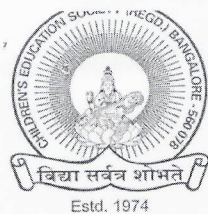
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M. PHARM (PHARMACOLOGY) RS5 – I SEMESTER

SESSIONAL EXAM (Internal Assessment)- II

Date of Exam : 30/06/2022

SUBJECT CODE:	MPL101T	TOTAL MARKS	30
SUBJECT NAME:	Advanced Pharmacology-I	EXAM HRS.	1 hour 10.00 to 11.00 A M

COURSE OBJECTIVE: The Objective of this course is to

Produce postgraduates with advanced knowledge and understanding of pharmacology; higher order critical, analytical, problem solving and transferable skills.

Uphold all laws, regulations, safety and ethical standards that apply to the experimental procedures in animals and the environment as well as to impart adequate hands-on training in various animal models and determine the effects of drugs using animal models

Provide practical inputs in pharmacokinetic studies of various drugs and formulations in animals to establish in-vitro and in-vivo correlations and prepare the students in teamwork, lifelong learning and continuous improvement.

LONG ESSAYS (ANSWER ALL THE QUESTIONS) 4X7.5 = 30 MARKS

	Marks	CO	Bloom's Taxonomy Level *
1. Write the physiological and pathological role of histamine.	7.5	CO (1)	L1
2. Define and classify sedatives and hypnotics with examples. Write the pharmacology of barbiturates.	7.5	CO (3)	L2
3. Classify non-narcotic agents. Discuss the pharmacological actions, ADRs and uses of Aspirin.	7.5	CO (3)	L2
4. Write a note on Antiplatelet drugs.	7.5	CO (5)	L1

{e.g. CO(1), PO (1-3,8,11), PSO (1,2)} * (e.g.L1, L2) Note: Bloom's taxonomy has 6 levels which are: L1 Remembering (Knowledge), L2 Understanding (Comprehension), L3 Applying, L4 Analyzing, L5 Evaluating and L6 Creating

COURSE OUTCOMES

CO1	Discuss the pathophysiology and pharmacotherapy of certain diseases
CO2	Explain the mechanism of drug actions at cellular and molecular level
CO3	Understand the adverse effects, contraindications and clinical uses of drugs used in treatment of diseases



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Course: M Pharm I Semester

Subject: Advance Pharmacology-I (MPL101T)

Student name:

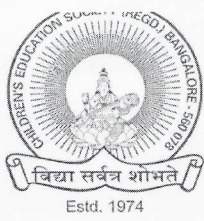
Staff In charge: Dr. Noopur Srivastava

S. No	Name of the Chapter	Class test Date/mark (10)	Assignment Date/mark (10)	Seminar Date / Mark (10)	Regular Practical Viva Date/mark (10)	Marks	Sign
I SESSIONAL							
1.	General Pharmacology						
2.	Neurotransmission, Systemic and Autonomic Pharmacology						
3.	Central nervous system Pharmacology (Half Portion)						
		Total Marks (Out of 30)	Average (Out of 2marks)		Attendance (8 marks)	Total (10 marks)	
Total Marks obtained in theory							
		Total Marks (Out of 30)	Average (Out of 10 marks)		Attendance (4 marks)	Total (14 marks)	
Total Marks obtained in Assignment							
		Total Marks (Out of 30)	Average (Out of 10 marks)		Attendance (4 marks)	Total (14 marks)	
Total Marks obtained in Seminar							
		Record (2.5 marks)	Regular viva (2.5 marks)		Attendance (10 marks)	Total (15 marks)	
Total Marks obtained in practical of Pharmacology -I							
II SESSIONAL							
4.	Central nervous system Pharmacology (Half Portion)						
5.	Cardiovascular Pharmacology						
6.	Autacoids Pharmacology						
		Total Marks (Out of 30)	Average (Out of 2marks)		Attendance (8 marks)	Total (10 marks)	
Total Marks obtained in theory							
		Total Marks (Out of 30)	Average (Out of 10 marks)		Attendance (4 marks)	Total (14 marks)	
Total Marks obtained in Assignment							
		Total Marks (Out of 30)	Average (Out of 10 marks)		Attendance (4 marks)	Total (14 marks)	
Total Marks obtained in Seminar							
		Record (2.5 marks)	Regular viva (2.5 marks)		Attendance (10 marks)	Total (15 marks)	
Total Marks obtained in practical of Pharmacology -I							

Signature of Subject In-charge.

Signature of Mentor

Signature of H.O.D



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Course: M Pharm I Semester

Subject: Advance Pharmacology-I (MPL101T)

Student name: *Kiran P*

Staff In charge: Dr. Noopur Srivastava

S. No	Name of the Chapter	Class test Date/mark (10)	Assignment Date/mark (10)	Seminar Date / Mark (10)	Regular Practical Viva Date/mark (10)	Marks	Sign
I SESSIONAL							
1.	General Pharmacology	30/8/22 7.5	16/8/22 8.5	10/9/22 8	1/9/22 8.5	32.5	}
2.	Neurotransmission, Systemic and Autonomic Pharmacology	6/09/22 8	23/8/22 8.5	13/9/22 9	12/9/22 8	33.5	
3.	Central nervous system Pharmacology (Half Portion)	6/9/22 8	6/9/22 9	17/9/22 8		25	
		Total Marks (Out of 30)	Average (Out of 2marks)		Attendance (8 marks)	Total (10 marks)	
Total Marks obtained in theory		23.5	1.56		4.0	5.56	
		Total Marks (Out of 30)	Average (Out of 10 marks)		Attendance (4 marks)	Total (14 marks)	
Total Marks obtained in Assignment		26.0	7.4		1.0	8.4	
		Total Marks (Out of 30)	Average (Out of 10 marks)		Attendance (4 marks)	Total (14 marks)	
Total Marks obtained in Seminar		25.0	7.1		1.0	8.1	
		Record (2.5 marks)	Regular viva (2.5 marks)		Attendance (10 marks)	Total (15 marks)	
Total Marks obtained in practical of Pharmacology -I		2.0	1.5		6.0	9.5	
II SESSIONAL							
4.	Central nervous system Pharmacology (Half Portion)	11/10/22 8.5	27/9/22 9	1/10/22 8.5	26/9/22 8.5	26.5	}
5.	Cardiovascular Pharmacology	18/10/22 8.0	11/10/22 8.5	8/10/22 7.5	3/10/22 8.5	25.5	
6.	Autacoids Pharmacology		18/10/22 8.5	15/10/22 7.5		16.0	
		Total Marks (Out of 30)	Average (Out of 2marks)		Attendance (8 marks)	Total (10 marks)	
Total Marks obtained in theory		24.8	1.65		8	9.65	
		Total Marks (Out of 30)	Average (Out of 10 marks)		Attendance (4 marks)	Total (14 marks)	
Total Marks obtained in Assignment		26	7.36		4	11.36	
		Total Marks (Out of 30)	Average (Out of 10 marks)		Attendance (4 marks)	Total (14 marks)	
Total Marks obtained in Seminar		23	6.51		4	10.41	
		Record (2.5 marks)	Regular viva (2.5 marks)		Attendance (10 marks)	Total (15 marks)	
Total Marks obtained in practical of Pharmacology -I		2	1.5		6	9.5	

DR. NOOPUR SHRIVASTAVA
Signature of Subject In-charge.

[Signature]
Signature of Mentor

DR. NOOPUR SHRIVASTAVA
Signature of H.O.D



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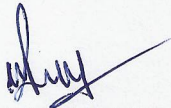
I SESSIONAL TIME TABLE FOR I PHARM D (FEB 2022)


Date	Time	Subject
21/02/2022	10.00-11.30am	Human anatomy and Physiology
22/02/2022	10.00-11.30am	Pharmaceutics
23/02/2022	10.00-11.30am	Medicinal Biochemistry
24/02/2022	10.00-11.30am	Pharmaceutical Inorganic Chemistry
25/02/2022	10.00-11.30am	Pharmaceutical Organic Chemistry

I Sessional Practical Time Table for I Pharm D

Date	Subject	Batch	Time
26/02/2022 Saturday	Pharmaceutical Organic Chemistry	I	9:00-12:00 PM
28/02/2022 Monday	Pharmaceutical Inorganic Chemistry	I	9:00-12:00 PM
02/03/2022 Wednesday	Human anatomy and Physiology	I	9:00-12:00 PM
03/03/2022 Thursday	Pharmaceutics	I	9:00-12:00 PM
04/03/2022 Friday	Medicinal Biochemistry	I	9:00-12:00 PM

G. Nagalakshmi
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Dr. G. Nagalakshmi


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I PHARM.D RS2

SESSIONAL EXAM (Internal Assessment)-I

Date of Exam: 21/02/2022

SUBJECT CODE:	PHAD2B01 TH	TOTAL MARKS	30 M
	Human Anatomy and Physiology	EXAM HRS.	1 hr 30 Min 10:00- 11:30am

COURSE OBJECTIVE:

- To create dynamic and proficient Pharmacists for their successful careers in pharmaceutical industry, academia, government organization, hospitals, and other organizations and as an entrepreneur.
- To inculcate in student graduates, ability to gain multidisciplinary knowledge through innovative projects, visiting research institutions, health care communities, health promoters, employees and employers.
- To undertake collaborative projects which tender prospects for continuous interaction between academia and industry.

I LONG ESSAYS (ANSWER ANY ONE) 1X10 = 10 MARKS	Marks	CO	Bloom's Taxonomy Level *
1. Mention coagulation factor and write the mechanisms of blood coagulation.	10	CO4	L2
2. What is Cardiac cycle? Describe various events of cardiac cycle.	10	CO5	L2
II SHORT ESSAYS (ANSWER ANY TWO) 2X5 = 10 MARKS			
3. Write the composition and functions of bone.	5	CO4	L1
4. Explain the structure and functions of neuron.	5	CO5	L1
5. Write a note on lymph node. Write its function.	5	CO2	L2
III SHORT ANSWERS (ANSWER ALL) 5X2 = 10 MARKS			
6. Write the normal values and life span of the following: (a) Hb: (b) WBC: (c) RBC. (d) Platelets	2	CO5	L1
7. Write a note on Lysosomes and Chromosomes.	2	CO5	L1
8. What is lymphoedema and splenomegaly?	2	CO3	L1
9. Write the stages of formation of RBC.	2	CO3	L1
10. Draw ECG and label deflection waves.	2	CO5	L1

Note: Bloom's taxonomy has 6 levels which are: L1 Remembering (Knowledge), L2 Understanding (Comprehension), L3 Applying, L4 Analyzing, L5 Evaluating and L6 Creating

COURSE OUTCOMES

CO1 Describe the structure (gross and histology) and functions of various organs of the human body
 CO2 Describe the various homeostatic mechanisms and their imbalances of various systems
 CO3 Identify the various tissues and organs of the different systems of the human body;
 CO4 Perform the hematological tests and also record blood pressure, heart rate, pulse and Respiratory volumes
 CO5 Appreciate coordinated working pattern of different organs of each system; and
 CO6 Appreciate the interlinked mechanisms in the maintenance of normal functioning (homeostasis) of the human body



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II SESSIONAL TIME TABLE FOR I PHARM D (MAY 2022)

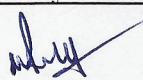
Date	Time	Subject
23/05/2022	10.00-11.30am	Human anatomy and Physiology
24/05/2022	10.00-11.30am	Pharmaceutics
25/05/2022	10.00-11.30am	Medicinal Biochemistry
26/05/2022	10.00-11.30am	Pharmaceutical Inorganic Chemistry
27/05/2022	10.00-11.30am	Pharmaceutical Organic Chemistry


II Sessional Practical Time Table for I Pharm D

Date	Subject	Batch	Time
28/05/2022 Saturday	Pharmaceutical Organic Chemistry	I	9:00-12:00 PM
30/05/2022 Monday	Pharmaceutical Inorganic Chemistry	I	9:00-12:00 PM
31/05/2022 Tuesday	Human anatomy and Physiology	I	9:00-12:00 PM
02/06/2022 Thursday	Pharmaceutics	I	9:00-12:00 PM
03/06/2022 Friday	Medicinal Biochemistry	I	9:00-12:00 PM

On 01/06/2022 As usual theory classes will be conducted

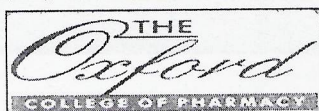
G. Nagalakshmi
DEAN EXAM
Dr. G. Nagalakshmi


DEAN ACADEMICS
Dr. G. Parthasarathy


PRINCIPAL
Dr. Padmaa M Paarakh

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I PHARM.D RS2

SESSIONAL EXAM (Internal Assessment)-II

Date of Exam: 23/05/2022

SUBJECT CODE:	PHAD2B01 TH	TOTAL MARKS	30 M
	Human Anatomy and Physiology	EXAM HRS.	1 hr 30 Min 10:00- 11:30am

COURSE OBJECTIVE:

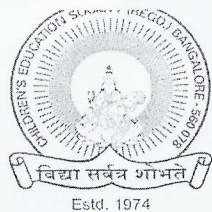
- To create dynamic and proficient Pharmacists for their successful careers in pharmaceutical industry, academia, government organization, hospitals, and other organizations and as an entrepreneur.
- To inculcate in student graduates, ability to gain multidisciplinary knowledge through innovative projects, visiting research institutions, health care communities, health promoters, employees and employers.
- To undertake collaborative projects which tender prospects for continuous interaction between academia and industry.

I LONG ESSAYS (ANSWER ANY ONE) 1X10 = 10 MARKS	Mar ks	CO-PO #	Bloom's Taxonom y Level *
11. Explain the functions of different cranial nerves.	10	CO4	L2
12. Write the anatomy of pancreas. Discuss the endocrine and exocrine secretions of pancreas.	10	CO5	L2
II SHORT ESSAYS (ANSWER ANY TWO) 2X5 = 10 MARKS			
13. Discuss the digestion of carbohydrates.	5	CO4	L1
14. Discuss the internal structure of spinal cord.	5	CO5	L1
15. Explain lung volumes and capacities.	5	CO2	L2
III SHORT ANSWERS (ANSWER ALL) 5X2 = 10 MARKS			
16. Write the functions of olfactory and optic nerve.	2	CO5	L1
17. Explain peristaltic movement of small intestine.	2	CO5	L1
18. What is synaptic cleft? State its function.	2	CO3	L1
19. Name the muscles of respiration.	2	CO3	L1
20. What is liver cirrhosis?	2	CO5	L1

{e.g. CO(1), PO (1-3,8,11)} * (e.g.L1, L2) Note: Bloom's taxonomy has 6 levels which are: L1 Remembering (Knowledge), L2 Understanding (Comprehension), L3 Applying, L4 Analyzing, L5 Evaluating and L6 Creating

COURSE OUTCOMES

CO1 Describe the structure (gross and histology) and functions of various organs of the human body
 CO2 Describe the various homeostatic mechanisms and their imbalances of various systems
 CO3 Identify the various tissues and organs of the different systems of the human body;
 CO4 Perform the hematological tests and also record blood pressure, heart rate, pulse and Respiratory volumes
 CO5 Appreciate coordinated working pattern of different organs of each system; and
 CO6 Appreciate the interlinked mechanisms in the maintenance of normal functioning (homeostasis) of the human body



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Course: I Pharm D

Student Name:

Reg No:

Subject: Human Anatomy and Physiology

Subject in-charge:

SL. NO	NAME OF TOPIC	HOME ASSIGNMENT	CLASS TEST	VIVA	MARKS	SIGN
I SESSIONAL						
1.	Structure of cell & Elementary Tissues					
2.	Osseus System					
3.	Haemopoeitic System & Lymph					
4.	Cardiovascular System					
TOTAL MARKS (OUT OF 90)						
CPA marks to be added for practical (OUT OF 4 MARKS)						
REMARKS OF HOD:						
II SESSIONAL						
5.	Respiratory System					
6.	Digestive System					
7.	Nervous System					
8.	Urinary System					
TOTAL MARKS (OUT OF 90)						
CPA marks to be added for practical (OUT OF 4 MARKS)						
REMARKS OF HOD:						
III SESSIONAL						
9.	Endocrine System					
10.	Reproductive System					
11.	Sense Organ					
12.	Skeletal Muscles & Sport Physiology					
TOTAL MARKS (OUT OF 90)						
CPA marks to be added for practical (OUT OF 4 MARKS)						
AVERAGE (3 SESSIONAL)						
REMARKS OF HOD:						
SIGNATURE OF SIGNATURE OF MENTOR SIGNATURE OF H.O.D SUBJECT IN-CHARGE						



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Course: I Pharm D
Subject: Human Anatomy and Physiology

Student Name: Afrab Fathima Reg No: 210057
Subject in-charge: Meghna KN

SL. NO	NAME OF TOPIC	HOME ASSIGNMENT	CLASS TEST	VIVA	MARKS	SIGN
I SESSIONAL						
1.	Structure of cell & Elementary Tissues	7/12/21 9	24/11/21 10	30/11/21 9	28	} Ms
2.	Osseus System	28/12/21 8.5	14/12/21 10	21/12/21 9	27.5	
3.	Haemopoetic System & Lymph	1/2/22 9	25/1/22 10	11/2/22 8	27	
4.	Cardiovascular System	16/2/22 10	2/2/22 10	15/2/22 9	29	
TOTAL MARKS (OUT OF 90)					119.5	} Ms
CPA marks to be added for practical (OUT OF 4 MARKS)					(3.6)	
REMARKS OF HOD: <u>According to syllabus.</u>						
II SESSIONAL						
5.	Respiratory System	19/4/22 9	13/4/22 9	15/3/22 8.5	26.5	} Ms
6.	Digestive System	10/5/22 8.5	10/5/22 9	28/4/22 9	26.5	
7.	Nervous System			9/5/22 8.5	8.5	
8.	Urinary System			19/5/22 9.5	9.5	
TOTAL MARKS (OUT OF 90)					71	} Ms
CPA marks to be added for practical (OUT OF 4 MARKS)					(3.6)	
REMARKS OF HOD: <u>Accordance to syllabus</u>						
III SESSIONAL						
9.	Endocrine System	2/8/22 9	26/7/22 A	5/7/22 8.5	17.5	} Ms
10.	Reproductive System	20/9/22 9		23/8/22 8	17	
11.	Sense Organ		25/8/22 9	29/8/22 8	17	
12.	Skeletal Muscles & Sport Physiology			20/9/22 8	8	
TOTAL MARKS (OUT OF 90)					59.5	} Ms
CPA marks to be added for practical (OUT OF 4 MARKS)					(2.5)	
AVERAGE (3 SESSIONAL)						
REMARKS OF HOD: <u>In accordance to syllabus</u>						
SIGNATURE OF MENTOR			SIGNATURE OF H.O.D SUBJECT IN-CHARGE			



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I SESSIONAL TIME TABLE FOR B PHARM V SEM (FEB 2022) 2021-22


Date	Time	Subject
28/02/2022	10:00-11:00 am	Medicinal chemistry-II
02/03/2022	10:00-11:00 am	Industrial pharmacy - I
03/03/2022	10:00-11:00 am	Pharmacology- II
04/03/2022	10:00-11:00 am	Pharmacognosy and Phytochemistry - II
05/03/2022	10:00-11:00 am	Pharmaceutical jurisprudence

I Sessional Practical Time Table for B Pharm V Semester

Date	Subject	Batch	Time
28/02/2022 Monday	Industrial pharmacy - I	B-I	1:30-4:00 PM
	Pharmacology- II	B-II	1:30-4:00 PM
	Pharmacognosy and Phytochemistry - II	B-III	1:30-4:00 PM
02/03/2022 Wednesday	Industrial pharmacy - I	B-II	1:30-4:00 PM
	Pharmacology- II	B-III	1:30-4:00 PM
	Pharmacognosy and Phytochemistry - II	B-I	1:30-4:00 PM
03/03/2022 Thursday	Industrial pharmacy - I	B-III	1:30-4:00 PM
	Pharmacology- II	B-I	1:30-4:00 PM
	Pharmacognosy and Phytochemistry - II	B-II	1:30-4:00 PM

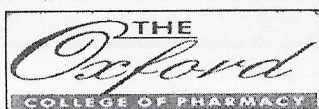
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B. PHARM RS5 SEMESTER - V
SESSIONAL EXAM (Internal Assessment) – I
 Date of Exam: 02/03/2022

SUBJECT CODE:	BP502T	TOTAL MARKS	30
SUBJECT NAME:	Industrial Pharmacy-I	EXAM Hrs.	1 hour 10.00AM-11.00AM

COURSE OBJECTIVE: The Objective of this course is

- To Educate students to have sound knowledge in pharmaceutical sciences and to attain skills required in pharmacy profession.
- To afford students with proficiency of technical skills in various area of subjects in pharmaceutical sciences and enabling them to fulfill the requirements of Pharmaceutical Industries, Community and Hospital Pharmacy and also to pursue higher studies.
- To provide up to date knowledge in theory and practical and relevant training to students about the subjects of Pharmaceutical formulation & development, Pharmaceutical chemistry, Drug regulatory affairs, Pharmacology of drugs, drug analytical methods, drugs of natural origins.

I LONG ESSAYS (ANSWER ANY ONE) 1X10 = 10 MARKS	Marks	CO	Bloom's Taxonomy Level *
1. Describe in detail wet granulation technique and compare with dry granulation.	10	CO 1	L1
2. Define capsules? Write on formulation of hard gelatin capsules.	10	CO 1	L1
II SHORT ESSAYS (ANSWER ANY TWO) 2X5 = 10 MARKS			
3. How do you solve solubility and stability problems in the development of liquid orals? OR Write on BCS classification system with examples.	5	CO 2	L4
4. Describe quality control tests for capsules.	5	CO 4	L1
III SHORT ANSWERS (ANSWER ALL) 5X2 = 10 MARKS			
5. Write the goals of preformulation studies.	2	CO 2	L2
6. Write on preservatives used in liquid orals.	2	CO 3	L1
7. List out the quality control tests of tablets.	2	CO 4	L1
8. What do you mean by bloom strength?	2	CO 2	L2
9. Give the significance of bland excipients in buccal tablets.	2	CO 3	L2

Note: Bloom's taxonomy has 6 levels which are: L1 Remembering (Knowledge), L2 Understanding (Comprehension), L3 Applying, L4 Analyzing, L5 Evaluating and L6 Creating

COURSE OUTCOMES

- CO1. Know the various pharmaceutical dosage forms and their manufacturing techniques.
 CO2. Know various considerations in development of pharmaceutical dosage forms
 CO3. Formulate solid, liquid and semisolid dosage forms and evaluate them for their quality



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II SESSIONAL TIME TABLE FOR B PHARM V SEM(MAY 2022)

Date	Time	Subject
09/05/2022	10:00-11:00 am	Medicinal chemistry-II
10/05/2022	10:00-11:00 am	Industrial pharmacy - I
11/05/2022	10:00-11:00 am	Pharmacology- II
12/05/2022	10:00-11:00 am	Pharmacognosy and Phytochemistry - II
13/05/2022	10:00-11:00 am	Pharmaceutical jurisprudence

II Sessional Practical Time Table for B Pharm V Semester

Date	Subject	Batch	Time
09/05/2022 Monday	Industrial pharmacy - I	B-I	1:30-4:00 PM
	Pharmacology- II	B-II	1:30-4:00 PM
	Pharmacognosy and Phytochemistry - II	B-III	1:30-4:00 PM
11/05/2022 Wednesday	Industrial pharmacy - I	B-II	1:30-4:00 PM
	Pharmacology- II	B-III	1:30-4:00 PM
	Pharmacognosy and Phytochemistry - II	B-I	1:30-4:00 PM
12/05/2022 Thursday	Industrial pharmacy - I	B-III	1:30-4:00 PM
	Pharmacology- II	B-I	1:30-4:00 PM
	Pharmacognosy and Phytochemistry - II	B-II	1:30-4:00 PM

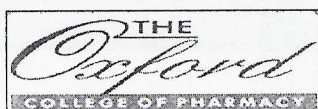
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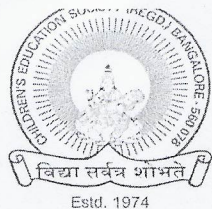
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B. PHARM RS5 SEMESTER - V			
SESSIONAL EXAM (Internal Assessment) – II			
Date of Exam: 10/05/2022			
SUBJECT CODE:	BP502T	TOTAL MARKS	30
SUBJECT NAME:	Industrial Pharmacy-I	EXAM Hrs.	1 hour 10.00AM-11.00AM
COURSE OBJECTIVE: The Objective of this course is			
<ul style="list-style-type: none"> To Educate students to have sound knowledge in pharmaceutical sciences and to attain skills required in pharmacy profession. To afford students with proficiency of technical skills in various area of subjects in pharmaceutical sciences and enabling them to fulfill the requirements of Pharmaceutical Industries, Community and Hospital Pharmacy and also to pursue higher studies. To provide up to date knowledge in theory and practical and relevant training to students about the subjects of Pharmaceutical formulation & development, Pharmaceutical chemistry, Drug regulatory affairs, Pharmacology of drugs, drug analytical methods, drugs of natural origins. 			
I LONG ESSAYS (ANSWER ANY ONE) 1X10 = 10 MARKS	Marks	CO	Bloom's Taxonomy Level *
1 Define aerosols. Explain the different parts of aerosol system.	10	CO 1	L2
2. Describe briefly the formulation requirements for manufacture of parenteral.	10	CO 1	L2
II SHORT ESSAYS (ANSWER ANY TWO) 2X5 = 10 MARKS			
3. Write a note on stability aspects of pharmaceutical containers. OR Describe the formulation of shampoo.	5	CO 5	L3
4. Describe the formulation of eye drops.	5	CO 4	L2
III SHORT ANSWERS (ANSWER ALL) 5X2 = 10 MARKS			
5. What are the methods available to seal the ampoules?	2	CO 5	L1
6. What are the ideal requirements of eye ointments?	2	CO 2	L2
7. Write the materials used for packing of pharmaceutical	2	CO 3	L1
8. Write the formulation of tooth paste.	2	CO 4	L2
9. List out four advantages of aerosols.	2	CO 1	L1
Note: Bloom's taxonomy has 6 levels which are: L1 Remembering (Knowledge), L2 Understanding (Comprehension), L3 Applying, L4 Analyzing, L5 Evaluating and L6 Creating			
COURSE OUTCOMES			
CO1. Know the various pharmaceutical dosage forms and their manufacturing techniques.			
CO2. Know various considerations in development of pharmaceutical dosage forms			
CO3. Formulate solid, liquid and semisolid dosage forms and evaluate them for their quality			



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Course: B Pharm V Semester

Student Name:

Subject: Industrial Pharmacy I

Reg: No:

Staff In-charge: Divya S Kumar

S.No	TOPIC	Class Test [10]	Home Assign. [10]	Viva [10]	Signature
I SESSIONAL					
1	Preformulation Studies				
2	Tablets & Liquid Orals				
3	Capsules				
	Total				
	Average (allotted for Theory)	Class test [3]	Home assign [3]	Attendance [4]	Total [10]
	Average (obtained for Theory)				
	Average (allotted for Practical)	Viva [1.5]	Record [1.5]	Attendance [2]	Total [5]
	Average (obtained for Practical)				
Remarks of HOD:					
II SESSIONAL					
4	Pellets				
5	Parenteral Products & Ophthalmic Preparations				
6	Cosmetics, Pharmaceutical Aerosols & Packaging Material Sciences				
	Total				
	Average (allotted for Theory)	Class test [3]	Home assign [3]	Attendance [4]	Total [10]
	Average (obtained for Theory)				
	Average (allotted for Practical)	Viva [1.5]	Record [1.5]	Attendance [2]	Total [5]
	Average (obtained for Practical)				
Remarks of HOD:					

Sign. of Subject In-charge:

Sign. of Mentor:

Sign. of H.O.D



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Course: B Pharm V Semester

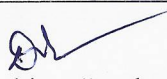
Student Name: Dinesh Belaram

Subject: Industrial Pharmacy I


Reg: No: 17P2668

Staff In-charge: Divya S Kumar

S.No	TOPIC	Class Test [10]	Home Assign. [10]	Viva [10]	Signature
I SESSIONAL					
1	Preformulation Studies	10/1/22 8.5	31/12/21 8.5	25/2/22 9.5	}
2	Tablets & Liquid Orals	8/2/22 12	15/2/22 9	1/2/22 9.5	
3	Capsules	22/2/22 10	21/2/22 10	2/2/22 7	
	Total	30.5/50	27.5	26	↓
	Average (allotted for Theory)	Class test [3]	Home assign [3]	Attendance [4]	Total [10]
	Average (obtained for Theory)	1.83	2.75	0	4.58
	Average (allotted for Practical)	Viva [1.5]	Record [1.5]	Attendance [2]	Total [5]
	Average (obtained for Practical)	1.3	1.5	0	2.8
Remarks of HOD:					
II SESSIONAL					
4	Pellets	15/3/22 A	22/4/22 A + 10	25/4 10	}
5	Parenteral Products & Ophthalmic Preparations	29/3/22 10	23/3/22 10	22/3/22 A	
6	Cosmetics, Pharmaceutical Aerosols & Packaging Material Sciences	28/3/22 09	13/4 A + NS	27/4 18/4/22 8	
	Total	19/35	20/55	18	↓
	Average (allotted for Theory)	Class test [3]	Home assign [3]	Attendance [4]	Total [10]
	Average (obtained for Theory)	1.62	1.10	0	2.72
	Average (allotted for Practical)	Viva [1.5]	Record [1.5]	Attendance [2]	Total [5]
	Average (obtained for Practical)	0.9	0	0	0.9
Remarks of HOD:					

Sign. of Subject In-charge: 

Sign. of Mentor: 

Sign. of H.O.D: 



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Date: 25.09.2018

This is to inform you that Mrs. Nallaguntla Lavanya, Assistant Professor, Department of Pharmaceutics is hereby appointed as the Dean-Examination of our Institution with immediate effect and she will hold this position until further orders.

P. Padma
PRINCIPAL

Dr. Padmaa M. Paarakh

PRINCIPAL
The Oxford College Of Pharmacy
No 6/9, 1st Cross, Begur Road, Hongasandra
Bangalore - 560 068

To

1. Mrs. Nallaguntla Lavanya,
Assistant Professor,
Department of Pharmaceutics,
The Oxford College of Pharmacy,
Bangalore-560068

Copy to:

1. The Head of the Department, The oxford College of Pharmacy, Bangalore-560068.



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Ref. No.: TOCP/DEC/01/2020-21

Date: 07.09.2020

NOTIFICATION

Sub: Constitution of Internal Board of Examiners

The following faculty members are appointed as Internal Board of Examiners for scrutinising up of question paper with respect to UG and PG Internal Examination until further notice.

The Examiners shall maintain confidentiality and adhere to the rules and regulations of the University and Institution.

Committees under dean examination:

Dr. G. Nagalakshmi., Assistant Professor Dean-examination

INTERNAL EXAMINATION ASSESSMENT COMMITTEE

SR.NO.	POST	NAME OF THE TEACHER	DEPARTMENT
1	CHAIRMAN	Ms.Nallaguntla Lavanya	Pharmaceutics
2	MEMBER	Dr. Jyoti Shrivastava	Pharmaceutical Chemistry
3	MEMBER	Ms. Merin Susan Abraham	Pharmacy Practice
4	MEMBER	Ms. Nagalakshmi R	Pharmacology
5	MEMBER	Ms. Durga. V	Pharmaceutical Chemistry

QUESTION PAPER SCRUTINY COMMITTEE

SR.NO.	POST	NAME OF THE TEACHER	DEPARTMENT
1	CHAIRMAN	Dr. Padmaa M Paarakh	PRINCIPAL
2	DEAN EXAM	Ms.Nallaguntla Lavanya	Pharmaceutics
3	MEMBER	Dr. Gururaj S. Kulkarni	Pharmaceutics
4	MEMBER	Ms. Hyma Sara Varghese	Pharmacology
5	DEAN ACADEMICS/ MEMBER	Dr. Parthasarathy G.	Pharmacy Practice
6	MEMBER	Dr. Jyoti Shrivastava	Pharmaceutical chemistry

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EXAMINATION CELL, TOCP, BANGALORE

GUIDELINES FOR CONDUCTING SESSIONAL EXAMINATION

1. The students should reach the examination 10 minutes early before the commencement of examination.
2. Seating Arrangement should be followed strictly by the students and should be monitored by the invigilators.
3. The students are allowed to leave the examination hall only after the permission of the invigilator.
4. In exam, scientific calculators, mobile phones, smart watches are not allowed.
5. The students must carry their ID-cards, stationery and water bottle along with them.
6. Student must write their registration number on the booklet and on the question paper in the beginning of exam.
7. If any student is found using unfair means, they will be asked to leave the examination hall immediately and other disciplinary action also will be taken.

Lavanya .N.

DEAN EXAM
Mrs. Nallaguntla
Lavanya

G. Parthasarathy

DEAN ACADEMICS
Dr. G. Parthasarathy

P. Padma
PRINCIPAL

Dr. Padmaa M Paarakh

PRINCIPAL

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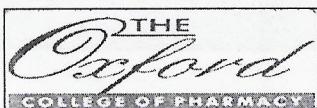
GRIEVANCE COMMITTEE 2020-21

COMMITTEE MEMBERS:

S.NO.	NAME OF THE MEMBER	DESIGNATION	POST
1	Dr. PADMAA M PAARAKH	PROFESSOR& PRINCIPAL	CHAIRPERSON
2	Mrs. SURINDER KAUR	ASSOC. PROFESSOR	MEMBER
3	Dr. PARTHASARATHY	HOD	MEMBER
4	Mrs. NAGALAKSHMI. R	ASSI. PROFESSOR	MEMBER
5	Dr. ELSAMMA THOMAS	MANAGER HOSTELS	MEMBER
6	Mr. GURUMURTHI	WARDEN BOYS HOSTEL	MEMBER
7	Mr. VASANTH C	STUDENT REPRESENTATIVE	INVITE
8	Ms. SINDHU G D	STUDENT REPRESENTATIVE	INVITE

P. Padma
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TOCP/GRC/2020-21/01

Date: 18.03.2021

To

The Principal,

The Oxford College of Pharmacy,

Bangalore-68.

Subject: Regarding the Internal Assessment grievances for the academic year 2020-21

Respected Madam,

In order to maintain transparency and fairness in sessional examination, the Dean examination would review the process in consultation with central grievance redressal committee. Whereas if any grievances pertaining to sessional examination are reported and will be routed to central grievance committee and same will be addressed by central grievance committee.

Whereas, for the academic year 2020-21, upon evaluating all the sessional examination, there were no major grievances reported pertaining to sessional examination. However, there were few pertaining to retotaling and some related to less marks issues while correction were observed, which were not grouped into major grievances.

From,

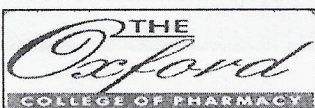

Dr. G. Nagalakshmi,

Assistant Professor,

Dean Examination,

The Oxford College of Pharmacy,

Bangalore-560068.



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I SESSIONAL TIMETABLE FOR M PHARM I SEM PHARMACOGNOSY(2020-21)

Date	Time	Subject
22/2/2021	9-3pm	Pharmacognosy practical I
23/2/2021	10.00-11am	Modern Pharmaceutical Analytical Techniques
24/2/2021	9-12 pm	Modern Pharmaceutical Analytical Techniques Practical
25/2/2021	10.00-11am	Advanced Pharmacognosy-1
26/2/2021	10.00-11am	Phytochemistry
27/2/2021	10.00-11am	Industrial Herbal drug technology

Lavanya N

DEAN EXAM
Mrs. Nallaguntla
Lavanya

Dr. G. Parthasarathy

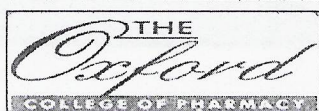
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Dr. Padmaa M Paarakh

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M. PHARM RS5 SEMESTER -I			
SESSIONAL EXAM (Internal Assessment) - I			
Date of Exam: 26/02/2021			
SUBJECT CODE:	MPG102T	TOTAL MARKS	30
SUBJECT NAME:	Phytochemistry	EXAM Hrs.	1 hour 10.00AM-11.00AM
COURSE OBJECTIVE: The Objective of this course is to			
<ul style="list-style-type: none"> Educate students to have sound knowledge in Pharmacognosy and phytochemistry of natural medicines and to attain skills required in Pharmacy profession and research with knowledge of natural product drug discovery and will be able to isolate, identify and extract the phyto-constituents. To understand the Industrial and commercial potential of drugs of natural origin, integrate traditional Indian systems of medicine with modern medicine and also to know regulatory and quality policy for the trade of herbals and drugs of natural origin. To afford students with proficiency of technical skills in various area of subjects in pharmaceutical sciences and enabling them to fulfill the requirements of Pharmaceutical Industries, Research and development, Clinical research and also to pursue PhD. To provide up to date knowledge in theory and practical and relevant training to students about the subjects of Pharmacognosy and phytochemistry, Biotechnology, Pharmaceutical Analytical methods, Clinical research, Research methodology, Drug regulatory affairs, drug design etc. 			
I LONG ESSAYS (ANSWER ALL) 4X7.5 = 30 MARKS	Marks	CO	Bloom's Taxonomy Level *
1. Explain the isolation, purification and estimation of Quinine.	7.5	CO3	L2
2. Explain the biosynthetic pathway of strychnine and digitoxin.	7.5	CO1	L2
3. Describe the importance of HPTLC as a tool in phytochemical analysis with example.	7.5	CO4	L3
4. Explain different in-vitro and in-vivo methods for evaluation of hypolipidaemic activities.	7.5	CO5	L2
Note: Bloom's taxonomy has 6 levels which are: L1 Remembering (Knowledge) , L2 Understanding (Comprehension), L3 Applying, L4 Analyzing, L5 Evaluating and L6 Creating			
COURSE OUTCOMES			
CO1 Know the various phytoconstituents and their properties & general process of natural product drug discovery			
CO2 TO know the process of identification, purification and isolation of phytoconstituents.			



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II SESSIONAL TIMETABLE FOR M PHARM I SEM PHARMACOGNOSY(2020-21)

Date	Time	Subject
10/6/2021	10.00-11am	Modern Pharmaceutical Analytical Techniques
11/6/2021	10.00-11am	Advanced Pharmacognosy-1
12/6/2021	10.00-11am	Photochemistry
15/6/2021	10.00-11am	Industrial Herbal drug technology

Practical sessional will be conducted as scheduled in the time-table.

Lavanya N

DEAN EXAM
Mrs. Nallaguntla
Lavanya

G. Parthasarathy

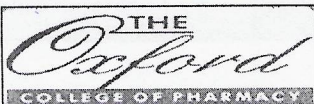
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M. PHARM RS5 SEMESTER -I			
SESSIONAL EXAM (Internal Assessment) - II			
Date of Exam: 12/06/2021			
SUBJECT CODE:	MPG102T	TOTAL MARKS	30
SUBJECT NAME:	Phytochemistry	EXAM Hrs.	1 hour 10.00AM-11.00AM
COURSE OBJECTIVE: The Objective of this course is to			
<ul style="list-style-type: none">Educate students to have sound knowledge in Pharmacognosy and phytochemistry of natural medicines and to attain skills required in Pharmacy profession and research with knowledge of natural product drug discovery and will be able to isolate, identify and extract the phyto-constituents.To understand the Industrial and commercial potential of drugs of natural origin, integrate traditional Indian systems of medicine with modern medicine and also to know regulatory and quality policy for the trade of herbals and drugs of natural origin.To afford students with proficiency of technical skills in various area of subjects in pharmaceutical sciences and enabling them to fulfill the requirements of Pharmaceutical Industries, Research and development, Clinical research and also to pursue PhD.To provide up to date knowledge in theory and practical and relevant training to students about the subjects of Pharmacognosy and phytochemistry, Biotechnology, Pharmaceutical Analytical methods, Clinical research, Research methodology, Drug regulatory affairs, drug design etc.			
I LONG ESSAYS (ANSWER ALL) 4X7.5 = 30 MARKS	Marks	CO	Bloom's Taxonomy Level *
1. Explain the role of lead compound from anticancer drugs.	7.5	CO3	L2
2. Explain pharmacological screening methods for antiviral and antiulcer activity.	7.5	CO5	L2
3. Explain Flash column chromatography for extraction of plant constituents.	7.5	CO4	L3
4. Describe the protocol for extraction for phytochemical screening of fresh and dry drugs. Explain the tests for identification of various phytoconstituents	7.5	CO5	L2
Note: Bloom's taxonomy has 6 levels which are: L1 Remembering (Knowledge), L2 Understanding (Comprehension), L3 Applying, L4 Analyzing, L5 Evaluating and L6 Creating			
COURSE OUTCOMES			
CO1 Know the various phytoconstituents and their properties & general process of natural product drug discovery			
CO2 TO know the process of identification, purification and isolation of phytoconstituents			



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Course: M Pharm I Semester **Staff In-charge:** Dr Padmaa M Paarakh **Student Name:**

Subject: Phytochemistry

Reg: No:

S. No	Name of the Chapter	Class test Date/mark (10)	Assignment Date/mark (10)	Seminar Date / Mark (10)	Regular Practical Viva Date/mark (10)	Marks	Sign
I SESSIONAL							
1.	Isolation, characterization, TLC and estimation methods of different secondary metabolite						
2.	HPTLC and LCMS/GCMS of different secondary metabolite						
3.	Pharmacological screening for different diseases						
		Total Marks (Out of 30)	Average (Out of 2 marks)	Attendance (8 marks)	Total (10 marks)		
Total Marks obtained in Theory							
		Total Marks (Out of 30)	Average (Out of 10 marks)	Attendance (4 marks)	Total (14 marks)		
Total Marks obtained in Assignment							
		Total Marks (Out of 30)	Average (Out of 10 marks)	Attendance (4 marks)	Total (14 marks)		
Total Marks obtained in Seminar							
		Record (2.5 Marks)	Regular Viva (2.5 marks)	Attendance (10 marks)	Total (15 marks)		
Total Marks obtained in Practical							
Remarks of HOD:							
II SESSIONAL							
4.	Pharmacological screening for different diseases						
5.	Extraction method						
6.	Drug discovery process						
		Total Marks (Out of 30)	Average (Out of 2 marks)	Attendance (8 marks)	Total (10 marks)		
Total Marks obtained in Theory							
		Total Marks (Out of 30)	Average (Out of 10 marks)	Attendance (4 marks)	Total (14 marks)		
Total Marks obtained in Assignment							
		Total Marks (Out of 30)	Average (Out of 10 marks)	Attendance (4 marks)	Total (14 marks)		
Total Marks obtained in Seminar							
		Record (2.5 Marks)	Regular Viva (2.5 marks)	Attendance (10 marks)	Total (15 marks)		
Total Marks obtained in Practical							
Remarks of HOD:							

Sign. of Subject In-charge:

Sign. of Mentor:

Sign. of H.O.D



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Course: M Pharm I Semester Staff In-charge: Dr Padmaa M Paarakh

Student Name: Tojjam nganthoi Chanu
Reg: No: 20PG010

Subject: Phytochemistry

S. No	Name of the Chapter	Class test Date/mark (10)	Assignment Date/mark (10)	Seminar Date / Mark (10)	Regular Practical Viva Date/mark (10)	Marks	Sign
I SESSIONAL							
1.	Isolation, characterization, TLC and estimation methods of different secondary metabolite	29/2/20 8.5		3/3/20 8	7/2/20 8		PP
2.	HPTLC and LCMS/GCMS of different secondary metabolite	10/3/20 9	11/2/20 9		28/2/20 9		PP
3.	Pharmacological screening for different diseases	14/3/20 9	18/2/20 9				PP
		Total Marks (Out of 30)	Average (Out of 2 marks)	Attendance (8 marks)	Total (10 marks)		
Total Marks obtained in Theory		26.5	1.76	8	9.76		
		Total Marks (Out of 30)	Average (Out of 10 marks)	Attendance (4 marks)	Total (14 marks)		
Total Marks obtained in Assignment		18	6.0	2.0	8.0		
		Total Marks (Out of 30)	Average (Out of 10 marks)	Attendance (4 marks)	Total (14 marks)		
Total Marks obtained in Seminar		8	8	3	11.0		
		Record (2.5 Marks)	Regular Viva (2.5 marks)	Attendance (10 marks)	Total (15 marks)		
Total Marks obtained in Practical		2.5	2.125	5	9.625		
Remarks of HOD:							
II SESSIONAL							
4.	Pharmacological screening for different diseases	20/5/20 8	4/4/20 8		8/4/20 8.5		PP
5.	Extraction method	2/5/20 8	18/4/20 9	4/8/20 8.5	5/4/20 8.5		PP
6.	Drug discovery process	19/5/20 8		16/4/20 9			PP
		Total Marks (Out of 30)	Average (Out of 2 marks)	Attendance (8 marks)	Total (10 marks)		
Total Marks obtained in Theory		24	1.66	8	9.66		
		Total Marks (Out of 30)	Average (Out of 10 marks)	Attendance (4 marks)	Total (14 marks)		
Total Marks obtained in Assignment		17	5.66	3	8.66		
		Total Marks (Out of 30)	Average (Out of 10 marks)	Attendance (4 marks)	Total (14 marks)		
Total Marks obtained in Seminar		17.5	5.83	4	9.83		
		Record (2.5 Marks)	Regular Viva (2.5 marks)	Attendance (10 marks)	Total (15 marks)		
Total Marks obtained in Practical		2.5	1.41	8	11.91		
Remarks of HOD:							

Sign. of Subject In-charge: PP

Sign. of Mentor: PP

Sign. of H.O.D PP



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I SESSIONAL TIME TABLE FOR III PHARM D (2020-21)

Date	Morning session	Afternoon session
28/9/2020	Pharmaceutical Analysis Lab	Pharmacology II (theory)
29/9/2020	Pharmaceutical Analysis(theory)	Pharmacology Lab
30/9/2020	Pharmaceutical Jurisprudence(theory)	Pharmaceutical Formulations Lab
1/10/2020	PCTH II LAB	Pharmacotherapeutics II(theory)
3/10/2020 (Saturday)	Medicinal Chemistry Lab	
5/10/2020	Medicinal Chemistry(theory)	
6/10/2020	Pharmaceutical Formulations(theory)	

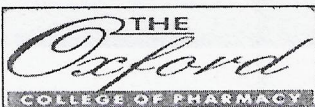
Theory timings for morning session- 10-11.30 am & Afternoon session – 2-3.30 pm
Practical timings for morning session- 9-12 noon & Afternoon session – 1.30-4.00 pm

G. Nagalakshmi
DEAN EXAM
Dr. G. Nagalakshmi

G. Parthasarathy
DEAN ACADEMICS
Dr. G. Parthasarathy

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PHARM.D RS2 YEAR - III

SESSIONAL EXAM (Internal Assessment)- I

Date of Exam : 01/10/2020

SUBJECT CODE:	PHAD2B06Th	TOTAL MARKS	30
SUBJECT NAME:	PHARMACOTHERAPEUTICS - 1	EXAM Hrs.	02:00-03:30 PM

COURSE OBJECTIVE: The Objective of this course is to

- Educate students to have sound knowledge and to impart skills necessary for contribution to quality use of medicines, pathophysiology and therapeutics of various diseases. To enable the student to understand the pathophysiology of common diseases and their management in pharmaceutical sciences and to attain skills required in pharmacy profession.
- To afford students with proficiency of technical skills in various area of subjects in pharmaceutical sciences and enabling them to fulfill the requirements of Community and Hospital Pharmacy, Pharmacovigilance, Clinical research and also to pursue higher studies.
- To provide up to date knowledge in theory and practical and relevant training to students about the subjects of Pharmacotherapeutics, Pathophysiology, Pharmaceutical formulations, Pharmaceutical chemistry, Drug regulatory affairs, Pharmacology of drugs, drug analytical methods, drugs of natural origins.

I LONG ESSAYS (ANSWER ANY ONE) 1X10 = 10 MARKS	Marks	CO	Bloom's Taxonomy Level *
1. Discuss management of RA with Treatment algorithm. Explain the risk factors and complications of RA	10	CO 1	L2
2. Define CRF. explain pharmacotherapy of CRF	10	CO 1	L1
ii Short Essays (Answer Any Two) 2x5 = 10 Marks			
3. discuss in detail pathophysiology of Gout	5	CO 1	L1
4. Define osteoarthritis write etiology, signs and symptoms	5	CO 1	L2
5. Explain hemodialysis and its mechanism	5	CO 2	L1
iii Short Answers (Answer All) 5x2 = 10 Marks			
6. Define peritoneal dialysis and its advantages	2	CO 2	L1
7. Explain the role of NSAIDs in RA	2	CO 1	L1
8. Clinical features of Gout	2	CO 1	L2
9. Write the risk factors of ARF	2	CO 3	L1
10. Enlist the diagnostic tests used in SLE	2	CO 3	L1

Note: Bloom's taxonomy has 6 levels which are: L1 Remembering (Knowledge), L2 Understanding (Comprehension), L3 Applying, L4 Analyzing, L5 Evaluating and L6 Creating

COURSE OUTCOMES

CO1 Know the pathophysiology of selected disease states and the rationale for drug therapy
 CO2 Know the therapeutic approach to management of these diseases;
 CO3 Know the controversies in drug therapy;
 CO4 Know the importance of preparation of individualized therapeutic plans based on diagnosis; and
 CO5 Appreciate the needs to identify the patient-specific parameters relevant in initiating drug therapy, and monitoring therapy (including alternatives, time-course of clinical and laboratory indices of therapeutic response and adverse effects).



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II SESSIONAL TIME TABLE FOR III PHARM D (2020-21)

Date	Time	subject
01/03/2021	10.00-11.30am	Pharmacology II
02/03/2021	10.00-11.30am	Pharmaceutical Analysis
03/03/2021	10.00-11.30am	Pharmaceutical Jurisprudence
04/03/2021	10.00-11.30am	Pharmacotherapeutics II
05/03/2021	10.00-11.30am	Medicinal Chemistry
06/03/2021 (Saturday)	10.00-11.30am	Pharmaceutical Formulations

Practical sessional exams will be held on their regular schedule from 22/2/2021 to 27/2/2021

On 26/2/2021 regular classes will be conducted

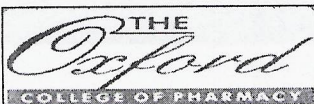
Practical timings for morning session- 9-12 noon & Afternoon session – 1.30-4.00 pm

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DEAN EXAM
Dr. G. Nagalakshmi

Dr. G. Parthasarathy
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III-PHARM D SESSIONAL EXAM (Internal Assessment) - I

Date of Exam: 04/03/2021

PHAD2C0Th	TOTAL MARKS	30
PHARMACOTHERAPEUTICS II	EXAM HRS.	1 hour 30min. 10.00-11.30am

COURSE OBJECTIVE: The Objective of this course is to

- Educate students to have sound knowledge and to impart skills necessary for contribution to quality use of medicines, pathophysiology and therapeutics of various diseases. To enable the student to understand the pathophysiology of common diseases and their management in pharmaceutical sciences and to attain skills required in pharmacy profession.
- To afford students with proficiency of technical skills in various area of subjects in pharmaceutical sciences and enabling them to fulfill the requirements of community and hospital pharmacy, pharmacovigilance, clinical research and also to pursue higher studies.
- To provide up to date knowledge in theory and practical and relevant training to students about the subjects of Pharmacotherapeutics, Pathophysiology, Pharmaceutical formulations, Pharmaceutical chemistry, Drug regulatory affairs, Pharmacology of drugs, drug analytical methods, drugs of natural origins.

I LONG ESSAYS (ANSWER ANY ONE) 1X10 = 10 MARKS	Marks	CO	Blooms level
1. Explain the Pathophysiology and Management of tuberculosis.	10	CO(1)	L2
2. Classify Respiratory tract infections. Explain the management of acute bronchitis and pneumonia.	10	CO(3)	L1
II SHORT ESSAYS (ANSWER ANY TWO) 2X5 = 10 MARKS			
3. Explain the pathogenesis and management of Rheumatoid arthritis.	5	CO(1)	L1
4. Write the risk factors and management of gout.	5	CO(1)	L2
5. Explain the clinical manifestations and management of SLE.	5	CO(1)	L1
III SHORT ANSWERS (ANSWER ALL) 5X2 = 10 MARKS			
6. Define Nuchal rigidity.	2	CO(5),	L1
7. Explain the role of chondroprotective agents in osteoarthritis.	2	CO(1)	L2
8. Write any four criteria for the selection of antimicrobials.	2	CO(2)	L3
9. What is Heaf test?	2	CO(1)	L1
10. Which are the drugs which induces SLE.	2	CO(1)	L2

Note: Bloom's taxonomy has 6 levels which are: L1 Remembering (Knowledge), L2 Understanding (Comprehension), L3 Applying, L4 Analyzing, L5 Evaluating and L6 Creating

COURSE OUTCOMES

CO1 Know the pathophysiology of selected disease states and the rationale for drug therapy
 CO2 Know the therapeutic approach to management of these diseases;
 CO3 Know the controversies in drug therapy;
 CO4 Know the importance of preparation of individualized therapeutic plans based on diagnosis; and
 CO5 Appreciate the needs to identify the patient-specific parameters relevant in initiating drug therapy, and monitoring therapy (including alternatives, time-course of clinical and laboratory indices of therapeutic response and adverse effects).



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Course: III Pharm D

Subject: PCTH II

Student Name:

Subject in-charge:

Reg No:

SL. NO	NAME OF TOPIC	HOME ASSIGNMENT	CLASS TEST	VIVA	MARKS	SIGN
I SESSIONAL						
1.	Musculoskeletal disorder- RA, OA, Gout					
2.	Guidelines for rational drug use of antibiotics & surgical prophylaxis					
3.	Infectious disease-TB, RTI, Meningitis					
TOTAL MARKS (OUT OF 90)						
CPA marks to be added for practical(OUT OF 4 MARKS)						
REMARKS OF HOD:						
II SESSIONAL						
4.	Infectious disease-Gastroenteritis, UTI					
5.	Renal disorder- ARF,CRF,Dialysis, drug induced renal disorder					
6.	Dermatology – psoriasis , scabies, eczema , impetigo					
TOTAL MARKS (OUT OF 90)						
CPA marks to be added for practical(OUT OF 4 MARKS)						
REMARKS OF HOD:						
III SESSIONAL						
7.	Oncology – General introduction , principles of cancer therapy					
8.	Breast cancer, leukemia , CINV					
9.	Infectious disease – Protozoal ,HIV STD					
TOTAL MARKS (OUT OF 90)						
CPA marks to be added for practical(OUT OF 4 MARKS)						
AVERAGE (3 SESSIONAL)						
REMARKS OF HOD:						
SIGNATURE OF		SIGNATURE OF MENTOR		SIGNATURE OF H.O.D SUBJECT IN-CHARGE		



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Course: III Pharm D
Subject: PCTH II

Student Name: *Ragari V* Reg No: *18Q0263*
Subject in-charge: *Dr Sheba Baby John*

SL. NO	NAME OF TOPIC	HOME ASSIGNMENT	CLASS TEST	VIVA	MARKS	SIGN
I SESSIONAL						
1.	Musculoskeletal disorder- RA, OA, Gout	<i>22/9/20</i> 8	<i>10/9/20</i> 8	<i>16/7/20</i> 7		}
2.	Guidelines for rational drug use of antibiotics & surgical prophylaxis	<i>24/9/20</i> 8		<i>23/7/20</i> 7		
3.	Infectious disease-TB, RTI, Meningitis	<i>23/9/20</i> 8		<i>30/7/20</i> 7		
TOTAL MARKS (OUT OF 90)						<i>53</i>
MARKS)					CPA marks to be added for practical(OUT OF 4	
REMARKS OF HOD: <i>As per syllabus carried.</i>						<i>2.7</i>
II SESSIONAL						
4.	Infectious disease-Gastroenteritis, UTI	<i>7/1/21</i> 9	<i>11/2/21</i> 9	<i>13/4/21</i> 7		}
5.	Renal disorder- ARF,CRF,Dialysis, drug induced renal disorder	<i>28/1/21</i> 9	<i>16/3/21</i> 9	<i>1/4/21</i> 9		
6.	Dermatology – psoriasis , scabies, eczema , impetigo	<i>11/2/21</i> 9	<i>17/4/21</i> 9	<i>13/4/21</i> 7		
TOTAL MARKS (OUT OF 90)						<i>65</i>
MARKS)					CPA marks to be added for practical(OUT OF 4	
REMARKS OF HOD: <i>As per syllabus carried out</i>						<i>3.2</i>
III SESSIONAL						
7.	Oncology – General introduction , principles of cancer therapy	<i>20/5/21</i> 10	<i>29/6/21</i> 9	<i>13/5/21</i> 9		}
8.	Breast cancer, leukemia , CINV	<i>12/6/21</i> 10	<i>22/6/21</i> 10	<i>3/9/21</i> 9		
9.	Infectious disease – Protozoal ,HIV STD	<i>15/7/21</i> 10	<i>26/6/21</i> 9	<i>22/4/21</i> 9		
TOTAL MARKS (OUT OF 90)						<i>67</i>
MARKS)					CPA marks to be added for practical(OUT OF 4	
REMARKS OF HOD: <i>As per syllabus carried out</i>						<i>3.4</i> <i>3.1</i>
SIGNATURE OF		SIGNATURE OF MENTOR		SIGNATURE OF H.O.D SUBJECT IN-CHARGE		
<i>Sheba</i>		<i>Dr. Parvathi</i>		<i>Dr. Parvathi</i>		



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I SESSIONAL TIME TABLE FOR B PHARM III SEM (2020-21)

Date	Morning session	Afternoon session
28/9/2020	Pharmaceutical Organic Chemistry II (theory)	
29/9/2020	POC II BATCH I PP -I BATCH II P'MICRO. BATCH III P' ENGINEERING BATCH IV	Physical Pharmaceutics I (theory)
30/9/2020	POC II BATCH II PP -I BATCH III P'MICRO. BATCH IV P' ENGINEERING BATCH I	Pharmaceutical Microbiology (theory)
1/10/2020	Pharmaceutical Engineering (theory)	POC II BATCH III PP -I BATCH IV P'MICRO. BATCH I P' ENGINEERING BATCH II
3/10/2020	POC II BATCH IV PP -I BATCH I P'MICRO. BATCH II P' ENGINEERING BATCH III	

Theory timings for morning session- 10-11 am & Afternoon session – 2-3 pm

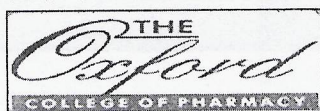
Practical, timings for morning session- 9-12 noon

G. Nagalakshmi
DEAN EXAM
Dr. G. Nagalakshmi

Dr. G. Parthasarathy
DEAN ACADEMICS
Dr. G. Parthasarathy

P. Padma
PRINCIPAL
Dr. Padmaa M Paarakh

PRINCIPAL
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B. PHARM RS5 SEMESTER - III SESSIONAL EXAM (Internal Assessment) – I Date of Exam: 28/09/2020			
SUBJECT CODE:	BP301T	TOTAL MARKS	30
SUBJECT NAME:	Pharmaceutical Organic Chemistry-II	EXAM Hrs.	1 hour 10.00AM-11.00AM
<ul style="list-style-type: none"> COURSE OBJECTIVE: The Objective of this course is To Educate students to have sound knowledge in pharmaceutical sciences and to attain skills required in pharmacy profession. To afford students with proficiency of technical skills in various area of subjects in pharmaceutical sciences and enabling them to fulfill the requirements of Pharmaceutical Industries, Community and Hospital Pharmacy and also to pursue higher studies. To provide up to date knowledge in theory and practical and relevant training to students about the subjects of Pharmaceutical formulation & development, Pharmaceutical chemistry, Drug regulatory affairs, Pharmacology of drugs, drug analytical methods, drugs of natural origins. 			
I LONG ESSAYS (ANSWER ANY ONE) 1X10 = 10 MARKS	Marks	CO	Bloom's Taxonomy Level *
1. Explain nitration and sulphonation reactions of benzene with its mechanism?	10	CO 2	L1, L2
2. Explain briefly acidity of phenol and effect of substituent on acidity of phenol?	10	CO 3	L1, L2
II SHORT ESSAYS (ANSWER ANY TWO) 2X5 = 10 MARKS			
3. Explain hydrolysis and hydrogenation reactions of fats and oils?	5	CO 5	L1, L2, L5
4. Explain the principle, procedure with formula and reaction involved in the determination of acid value?	5	CO 5	L1, L2, L5
5. Explain the principle, procedure with formula and reaction involved in the determination of acetyl value?	5	CO 5	L1, L2, L5
III SHORT ANSWERS (ANSWER ALL) 5X2 = 10 MARKS			
6. Write the structure and uses of DDT?.	2	CO 1	L1, L2
7. Write the structure and uses of Saccharin?.	2	CO 1	L1, L2
8. Define Iodine value?.	2	CO 5	L1, L2, L5
9. Write any two qualitative tests for Phenol?.	2	CO 3	L1, L2, L5
10. Define ring activator? Give examples	2	CO 3	L1, L2
Note: Bloom's taxonomy has 6 levels which are: L1 Remembering (Knowledge), L2 Understanding (Comprehension), L3 Applying, L4 Analyzing, L5 Evaluating and L6 Creating			
COURSE OUTCOMES			
CO1 Write the structure, name and the type of isomerism of the organic compound			
CO2 Write the reaction, name the reaction and orientation of reactions			
CO3 Account for reactivity/stability of compounds,			
CO4 Prepare organic compounds			



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II SESSIONAL TIME TABLE FOR B PHARM III SEM (2020-21)

Date	Morning session	Afternoon session
22/2/2021	Pharmaceutical Organic Chemistry II (theory)	
23/2/2021	POC II BATCH I PP -I BATCH II P'MICRO. BATCH III P' ENGINEERING BATCH IV	Physical Pharmaceutics I (theory)
24/2/2021	POC II BATCH II PP -I BATCH III P'MICRO. BATCH IV P' ENGINEERING BATCH I	Pharmaceutical Microbiology (theory)
25/2/2021	Pharmaceutical Engineering (theory)	POC II BATCH III PP -I BATCH IV P'MICRO. BATCH I P' ENGINEERING BATCH II
26/2/2021	POC II BATCH IV PP -I BATCH I P'MICRO. BATCH II P' ENGINEERING BATCH III	

Theory timings for morning session- 10-11 am & Afternoon session – 2-3 pm

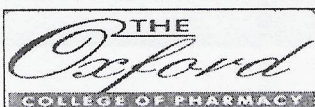
Practical timings for morning session- 9-12 noon

G. Nagalakshmi
DEAN EXAM
Dr. G. Nagalakshmi

[Signature]
DEAN ACADEMICS
Dr. G. Parthasarathy

P. Padma
PRINCIPAL
Dr. Padmaa M Paarakh

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B. PHARM RS5 SEMESTER - III SESSIONAL EXAM (Internal Assessment) – II Date of Exam: 22/02/2021			
SUBJECT CODE:	BP301T	TOTAL MARKS	30
SUBJECT NAME:	Pharmaceutical Organic Chemistry-II	EXAM Hrs.	1 hour 10.00AM-11.00AM
COURSE OBJECTIVE: The Objective of this course is			
<ul style="list-style-type: none"> To Educate students to have sound knowledge in pharmaceutical sciences and to attain skills required in pharmacy profession. To afford students with proficiency of technical skills in various area of subjects in pharmaceutical sciences and enabling them to fulfill the requirements of Pharmaceutical Industries, Community and Hospital Pharmacy and also to pursue higher studies. To provide up to date knowledge in theory and practical and relevant training to students about the subjects of Pharmaceutical formulation & development, Pharmaceutical chemistry, Drug regulatory affairs, Pharmacology of drugs, drug analytical methods, drugs of natural origins. 			
I LONG ESSAYS (ANSWER ANY ONE) 1X10 = 10 MARKS	Marks	CO	Bloom's Taxonomy Level *
Explain Haworth synthesis of Anthracene? Explain nitration, sulfonation, oxidation, Friedel-Craft Acylation, & Diels-Alder reactions of Anthracene?	10	CO 2	L1, L2
2. Explain briefly Baeyer strain theory and its limitations?	10	CO 3	L1, L2, L3
II SHORT ESSAYS (ANSWER ANY TWO) 2X5 = 10 MARKS			
3. Explain reduction, oxidation & chloromethylation reactions of Naphthalene?.	5	CO 3	L1, L2
4. Explain Bucherer reaction, Azo-coupling, Sulfonation and Oxidation reaction of 1-Naphthol?	5	CO 3	L1, L2
5. Explain Sachse-Mohr theory (theory of strainless rings).	5	CO 3	L1, L2, L3
III SHORT ANSWERS (ANSWER ALL) 5X2 = 10 MARKS			
6. Explain Bucherer reaction, Azo-coupling, Sulfonation and Oxidation reaction of 1-Naphthol?	2	CO 3	L1, L2
7. Explain Friedel-Craft synthesis of Anthracene?	2	CO 3	L1, L2
8. Explain the nitration reaction of Anthraquinone?	2	CO 3	L1, L2
9. Explain Dieckmann (reaction) method of preparation of cycloalkanes?	2	CO 3	L1, L2
10. Explain ring opening reactions (reaction with Br, HBr & H) of cyclopropane?	2	CO 3	L1, L2
Note: Bloom's taxonomy has 6 levels which are: L1 Remembering (Knowledge), L2 Understanding (Comprehension), L3 Applying, L4 Analyzing, L5 Evaluating and L6 Creating			
COURSE OUTCOMES			
CO1 Write the structure, name and the type of isomerism of the organic compound			
CO2 Write the reaction, name the reaction and orientation of reactions			
CO3 Account for reactivity/stability of compounds,			
CO4 Prepare organic compounds			



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Course: B.Pharm III-Semester

Student Name:

Subject: Pharmaceutical Organic Chemistry-II

Reg: No:

Staff In-charge: Dr. G. Nagalakshmi.

S.No	TOPIC	Class Test [10]	Home Assign [10]	Viva [10]	Sign
I SESSIONAL					
1.	Benzene and its derivatives				
2.	Phenols, Aromatic Amines, Aromatic Acids.				
3	Fats and Oils.				
	Total				
	Average (allotted for Theory)	Class test [3]	Home assign [3]	Attendance [4]	Total [10]
	Average (obtained for Theory)				
	Average (allotted for Practical)	Viva [1.5]	Record [1.5]	Attendance [2]	Total [5]
	Average (obtained for Practical)				
II SESSIONAL					
4	Polynuclear hydrocarbons- Naphthalene, Anthracene.				
5	Polynuclear hydrocarbons- Phenanthrene, DPM, TPM.				
6	Cycloalkanes.				
	Total				
	Average (allotted for Theory)	Class test [3]	Home assign [3]	Attendance [4]	Total [10]
	Average (obtained for Theory)				
	Average (allotted for Practical)	Viva [1.5]	Record [1.5]	Attendance [2]	Total [5]
	Average (obtained for Practical)				

Sign. of subject Incharge:

Sign. of Mentor:

Sign. of H.O.D:



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Course: B.Pharm III-Semester

Subject: Pharmaceutical Organic Chemistry-II

Staff In-charge: Dr. G. Nagalakshmi.

Student Name: Arun kumar.V

Reg: No:

19P5956

S.No	TOPIC	Class Test [10]	Home Assign [10]	Viva [10]	Sign
I SESSIONAL					
1.	Benzene and its derivatives	9/9/2020 4	7/9/2020 9	5/10/2020 9	G _m
2.	Phenols, Aromatic Amines, Aromatic Acids.	16/9/2020 9	9/9/2020 8	6/10/2020 8	G _m
3	Fats and Oils.	23/9/2020 8	14/9/2020 9	7/10/2020 5	G _m
	Total	21	26	22	G _m
	Average (allotted for Theory)	Class test [3]	Home assign [3]	Attendance [4]	Total [10]
	Average (obtained for Theory)	2.1	2.6	3	7.7
	Average (allotted for Practical)	Viva [1.5]	Record [1.5]	Attendance [2]	Total [5]
	Average (obtained for Practical)	1.1	1.5	2	4.6
II SESSIONAL					
4	Polynuclear hydrocarbons- Naphthalene, Anthracene.	28/10/2020 9	27/10/2020 9	4/11/2020 9	G _m
5	Polynuclear hydrocarbons- Phenanthrene, DPM, TPM.	20/1/2021 4	18/1/2021 9	20/1/2021 7	G _m
6	Cycloalkanes.	2/2/2021 9	1/2/2021 00	3/2/2021 7	G _m
	Total	22	18	23	G _m
	Average (allotted for Theory)	Class test [3]	Home assign [3]	Attendance [4]	Total [10]
	Average (obtained for Theory)	2.2	1.8	2	6
	Average (allotted for Practical)	Viva [1.5]	Record [1.5]	Attendance [2]	Total [5]
	Average (obtained for Practical)	1.15	1.5	0.5	3.15

Sign. of subject Incharge: 

Sign. of Mentor: 

Sign. of H.O.D: 



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Date: 25.09.2018

This is to inform you that Mrs. Nallaguntla Lavanya, Assistant Professor, Department of Pharmaceutics is hereby appointed as the Dean-Examination of our Institution with immediate effect and she will hold this position until further orders.

P. Padmaa
PRINCIPAL

Dr. Padmaa M. Paarakh

PRINCIPAL

The Oxford College Of Pharmacy
No 6/9, 1st Cross, Begur Road, Hongasandra
Bangalore - 560 068

To

1. Mrs. Nallaguntla Lavanya,
Assistant Professor,
Department of Pharmaceutics,
The Oxford College of Pharmacy,
Bangalore-560068

Copy to:

1. The Head of the Department, The oxford College of Pharmacy, Bangalore-560068.



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Ref. No.: TOCP/DEC/01/2019-20

Date: 09.09.2019

NOTIFICATION

Sub: Constitution of Internal Board of Examiners

The following faculty members are appointed as Internal Board of Examiners for scrutinising up of question paper with respect to UG and PG Internal Examination until further notice.

The Examiners shall maintain confidentiality and adhere to the rules and regulations of the University and Institution.

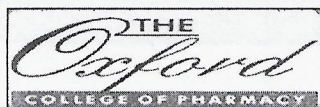
Committees under dean examination:

Mrs. Nallaguntla Lavanya., Assistant Professor Dean-examination

<u>INTERNAL EXAMINATION ASSESSMENT COMMITTEE</u>			
SR.NO.	POST	NAME OF THE TEACHER	DEPARTMENT
1	CHAIRMAN	Ms.Nallaguntla Lavanya	Pharmaceutics
2	MEMBER	Dr. Jyoti Shrivastava	Pharmaceutical Chemistry
3	MEMBER	Ms. Merin Susan Abraham	Pharmacy Practice
4	MEMBER	Ms. Nagalakshmi R	Pharmacology
5	MEMBER	Ms. Durga. V	Pharmaceutical Chemistry

<u>4.2. QUESTION PAPER SCRUTINY COMMITTEE</u>			
SR.NO.	POST	NAME OF THE TEACHER	DEPARTMENT
1	CHAIRMAN	Dr. Padmaa M Paarakh	PRINCIPAL
2	DEAN EXAM	Ms.Nallaguntla Lavanya	Pharmaceutics
3	MEMBER	Dr. Gururaj S. Kulkarni	Pharmaceutics
4	MEMBER	Dr. Devangam Sheshadri Sekhar	Pharmacology
5	DEAN ACADEMICS/ MEMBER	Dr. Parthasarathy G.	Pharmacy Practice
6	MEMBER	Dr. Yeligar Veerendra Channabasappa	Pharmaceutical chemistry

P. Padma
PRINCIPAL
PRINCIPAL



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EXAMINATION CELL, TOCP, BANGALORE

GUIDELINES FOR CONDUCTING SESSIONAL EXAMINATION

1. The students should reach the examination 10 minutes early before the commencement of examination.
2. Seating Arrangement should be followed strictly by the students and should be monitored by the invigilators.
3. The students are allowed to leave the examination hall only after the permission of the invigilator.
4. In exam, scientific calculators, mobile phones, smart watches are not allowed.
5. The students must carry their ID-cards, stationery and water bottle along with them.
6. Student must write their registration number on the booklet and on the question paper in the beginning of exam.
7. If any student is found using unfair means, they will be asked to leave the examination hall immediately and other disciplinary action also will be taken.

Lavanya .N.

DEAN EXAM
Mrs. Nallaguntla
Lavanya

G. Parthasarathy

DEAN ACADEMICS
Dr. G. Parthasarathy

P. Padma
PRINCIPAL

Dr. Padmaa M Paarakh

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GRIEVANCE COMMITTEE 2019-20

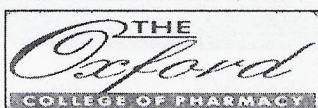
COMMITTEE MEMBERS:

S.NO.	NAME OF THE MEMBER	DESIGNATION	POST
1	Dr. PADMAA M PAARAKH	PROFESSOR & PRINCIPAL	CHAIRPERSON
2	Mrs. SURINDER KAUR	ASSOC. PROFESSOR	MEMBER
3	Dr. G, NAGALAKSHMI	ASSISTANT PROFESSOR	MEMBER
4	Ms. PRIYADHARSHINI	STUDENT REPRESENTATIVE	INVITE
5	Mr. ANAND	STUDENT REPRESENTATIVE	INVITE

P. Padma
PRINCIPAL

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TOCP/GRC/2019-20/01

Date: 28.12.2019

To

The Principal,

The Oxford College of Pharmacy,

Bangalore-68.

Subject: Regarding the Internal Assessment grievances for the academic year 2019-20.

Respected Madam,

In order to maintain transparency and fairness in sessional examination, the Dean examination would review the process in consultation with central grievance redressal committee. Whereas if any grievances pertaining to sessional examination are reported and will be routed to central grievance committee and same will be addressed by central grievance committee.

Whereas, for the academic year 2019-20, upon evaluating all the sessional examination, there were no major grievances reported pertaining to sessional examination. However, there were few pertaining to retotaling which were not grouped into major grievances.

From,

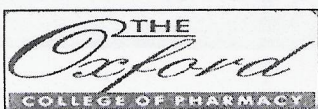
Lavanya.
Mrs. Lavanya N,

Assistant Professor,

Dean Examination,

The Oxford College of Pharmacy,

Bangalore-560068.



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I SESSIONAL TIMETABLE FOR M PHARM I SEM PHARMACOLOGY (2019-20)

Date	Time	Subject
09/10/2019	10.00-11am	Modern Pharmaceutical Analytical Techniques
10/10/2019	10.00-11am	Advanced Pharmacology-I
12/10/2019	10.00-11am	Pharmacological and Toxicological Screening Methods-I
15/10/2019	10.00-11am	Cellular and Molecular Pharmacology

Practical Sessional will be conducted with the schedule

11/10/19 – Pharmacology practical

14/10/2019- MPA

Lavanya N

DEAN EXAM
Mrs. Nallaguntla
Lavanya

Dr. G. Parthasarathy

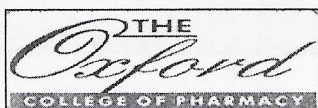
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M. PHARM (PHARMACOLOGY) RS5 – I SEMESTER SESSIONAL EXAM (Internal Assessment)- I Date of Exam: 10/10/2019			
SUBJECT CODE:	MPL101T	TOTAL MARKS	30
SUBJECT NAME:	Advanced Pharmacology-I	EXAM HRS.	1 hour 2.00 to 3.00 PM
<p>COURSE OBJECTIVE: The Objective of this course is to Produce postgraduates with advanced knowledge and understanding of pharmacology; higher order critical, analytical, problem solving and transferable skills. Uphold all laws, regulations, safety and ethical standards that apply to the experimental procedures in animals and the environment as well as to impart adequate hands-on training in various animal models and determine the effects of drugs using animal models Provide practical inputs in pharmacokinetic studies of various drugs and formulations in animals to establish in-vitro and in-vivo correlations and prepare the students in teamwork, lifelong learning and continuous improvement.</p>			
I. LONG ESSAYS (ANSWER ANY TWO) 2X10 = 20 MARKS	Marks	CO	Bloom's Taxonomy Level *
1. Define and classify receptors. Explain GPCR family	10	CO3	L1
2. What are the factors affecting the absorption and distribution of drugs. Add a note on significance c protein binding.	10	CO3	L2
3. Classify adrenergic agonist with suitable examples. Explain the MOA, ADR and Pharmacology of adrenaline	10	CO3	L1
II SHORT ESSAYS (ANSWER ANY TWO) 2X5 = 10 MARKS			
4. Explain the role of phase-1 & II biotransformation of drugs.	5	CO3	L1
5 Explain neurohumoral GABA transmission	5	CO3	L2
6. Write a note on Parasympathomimetics	5	CO5	L2
<p><i>Note: Bloom's taxonomy has 6 levels which are: L1 Remembering (Knowledge), L2 Understanding (Comprehension), L3 Applying, L4 Analyzing, L5 Evaluating and L6 Creating</i></p>			
COURSE OUTCOMES			
CO1	Discuss the pathophysiology and pharmacotherapy of certain diseases		
CO2	Explain the mechanism of drug actions at cellular and molecular level		
CO3	Understand the adverse effects, contraindications and clinical uses of drugs used in treatment of diseases		



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II SESSIONAL TIMETABLE FOR M PHARM I SEM PHARMACOLOGY (2019-20)

Date	Time	Subject
10/12/2019	10.00-11am	Modern Pharmaceutical Analytical Techniques
11/12/2019	10.00-11am	Advanced Pharmacology-I
12/12/2019	10.00-11am	Pharmacological and Toxicological Screening Methods-I
14/12/2019	10.00-11am	Cellular and Molecular Pharmacology

Practical Sessional will be conducted with the schedule

09/12/19 –MPA

13/12/2019- Pharmacology practical

Lavanya . N

DEAN EXAM

Mrs. Nallaguntla
Lavanya

Dr. G. Parthasarathy

DEAN ACADEMICS

Dr. G. Parthasarathy

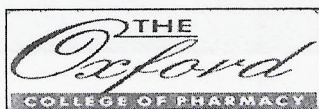
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M. PHARM (PHARMACOLOGY) RS5 – I SEMESTER

SESSIONAL EXAM (Internal Assessment)- II

Date of Exam: 11/12/2019

SUBJECT CODE:	MPL101T	TOTAL MARKS	30
SUBJECT NAME:	Advanced Pharmacology-I	EXAM HRS.	1 hour 2.00 to 3.00 PM

COURSE OBJECTIVE: The Objective of this course is to

Produce postgraduates with advanced knowledge and understanding of pharmacology; higher order critical, analytical, problem solving and transferable skills.

Uphold all laws, regulations, safety and ethical standards that apply to the experimental procedures in animals and the environment as well as to impart adequate hands-on training in various animal models and determine the effects of drugs using animal models

Provide practical inputs in pharmacokinetic studies of various drugs and formulations in animals to establish in-vitro and in-vivo correlations and prepare the students in teamwork, lifelong learning and continuous improvement.

LONG ESSAYS (ANSWER ANY TWO) 2X10 = 20 MARKS	Mark s	CO	Bloom's Taxonomy Level *
1. Define and classify receptors. Explain GPCR family	10	CO3	L1
2. What are the factors affecting the absorption and distribution of drugs. Add a note on significance c protein binding.	10	CO3	L2
3. Classify adrenergic agonist with suitable examples. Explain the MOA, ADR and Pharmacology of adrenaline	10	CO3	L1
II SHORT ESSAYS (ANSWER ANY TWO) 2X5 = 10 MARKS			
4. Explain the role of phase-1 & II biotransformation of drugs.	5	CO3	L1
5 Explain neurohumoral GABA transmission	5	CO3	L2
6. Write a note on Parasympathomimetics	5	CO5	L2

Note: Bloom's taxonomy has 6 levels which are: L1 Remembering (Knowledge), L2 Understanding (Comprehension), L3 Applying, L4 Analyzing, L5 Evaluating and L6 Creating

COURSE OUTCOMES

CO1	Discuss the pathophysiology and pharmacotherapy of certain diseases
CO2	Explain the mechanism of drug actions at cellular and molecular level
CO3	Understand the adverse effects, contraindications and clinical uses of drugs used in treatment of diseases



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Course: M Pharm I Semester

Subject: Advance Pharmacology-I (MPL101T)

Student name:

Staff In charge:

S. No	Name of the Chapter	Class test Date/mark (10)	Assignment Date/mark (10)	Seminar Date / Mark (10)	Regular Practical Viva Date/mark (10)	Marks	Sign
I SESSIONAL							
1.	General Pharmacology						
2.	Neurotransmission, Systemic and Autonomic Pharmacology						
3.	Central nervous system Pharmacology (Half Portion)						
		Total Marks (Out of 30)	Average (Out of 2marks)	Attendance (8 marks)	Total (10 marks)		
Total Marks obtained in theory							
		Total Marks (Out of 30)	Average (Out of 10 marks)	Attendance (4 marks)	Total (14 marks)		
Total Marks obtained in Assignment							
		Total Marks (Out of 30)	Average (Out of 10 marks)	Attendance (4 marks)	Total (14 marks)		
Total Marks obtained in Seminar							
		Record (2.5 marks)	Regular viva (2.5 marks)	Attendance (10 marks)	Total (15 marks)		
Total Marks obtained in practical of Pharmacology -I							
II SESSIONAL							
4.	Central nervous system Pharmacology (Half Portion)						
5.	Cardiovascular Pharmacology						
6.	Autacoids Pharmacology						
		Total Marks (Out of 30)	Average (Out of 2marks)	Attendance (8 marks)	Total (10 marks)		
Total Marks obtained in theory							
		Total Marks (Out of 30)	Average (Out of 10 marks)	Attendance (4 marks)	Total (14 marks)		
Total Marks obtained in Assignment							
		Total Marks (Out of 30)	Average (Out of 10 marks)	Attendance (4 marks)	Total (14 marks)		
Total Marks obtained in Seminar							
		Record (2.5 marks)	Regular viva (2.5 marks)	Attendance (10 marks)	Total (15 marks)		
Total Marks obtained in practical of Pharmacology -I							

Signature of Subject In-charge.

Signature of Mentor

Signature of H.O.D



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Course: M Pharm I Semester

Subject: Advance Pharmacology-I (MPL101T)

Student name: *Shwetha*

Staff In charge: *Dr. Anjali*

S. No	Name of the Chapter	Class test Date/mark (10)	Assignment Date/mark (10)	Seminar Date / Mark (10)	Regular Practical Viva Date/mark (10)	Marks	Sign
I SESSIONAL							
1.	General Pharmacology	12/9/19 9.5	11/9/19 8.5	22/8/19 9.5	26/8/19 8.5	32.5	<i>Anjali</i>
2.	Neurotransmission, Systemic and Autonomic Pharmacology	26/9/19 6	25/9/19 8.5	12/9/19 9	9/9/19 8	33.5	
3.	Central nervous system Pharmacology (Half Portion)	3/10/19 7	1/10/19 9	19/9/19 8	23/9/19 9	33	
Total Marks obtained in theory		Total Marks (Out of 30) 23.5	Average (Out of 2marks) 1.58	Attendance (8 marks) 4	Total (10 marks) 7.81		
Total Marks obtained in Assignment		Total Marks (Out of 30) 26.0	Average (Out of 10 marks) 7.6	Attendance (4 marks) 1.0	Total (14 marks) 8.42		
Total Marks obtained in Seminar		Total Marks (Out of 30) 25	Average (Out of 10 marks) 7.0	Attendance (4 marks) 1	Total (14 marks) 8		
Total Marks obtained in practical of Pharmacology -I		Record (2.5 marks) 2	Regular viva (2.5 marks) 2.12	Attendance (10 marks) 6	Total (15 marks) 10.12		
II SESSIONAL							
4.	Central nervous system Pharmacology (Half Portion)	21/10/19 8.5	5/11/19 9	24/10/19 8	28/11/19 8	9	<i>Anjali</i>
5.	Cardiovascular Pharmacology	4/11/19 8	12/11/19 8.5	8/11/19 7.5	4/12/19 8.5		
6.	Autacoids Pharmacology	18/11/19 8.5	26/11/19 8.5	22/11/19 7.5			
Total Marks obtained in theory		Total Marks (Out of 30) 25	Average (Out of 2marks) 1.65	Attendance (8 marks) 8	Total (10 marks) 9.65		
Total Marks obtained in Assignment		Total Marks (Out of 30) 26	Average (Out of 10 marks) 7.86	Attendance (4 marks) 4	Total (14 marks) 11.36		
Total Marks obtained in Seminar		Total Marks (Out of 30) 23	Average (Out of 10 marks) 6.51	Attendance (4 marks) 4	Total (14 marks) 10.5		
Total Marks obtained in practical of Pharmacology -I		Record (2.5 marks) 2	Regular viva (2.5 marks) 1.5	Attendance (10 marks) 6	Total (15 marks) 9.5		

Signature of Subject In-charge.

Signature of Mentor

Signature of H.O.D



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I SESSIONAL TIME TABLE FOR II PHARM D (2019-20)

Date	Time	Subject
14/10/2019	10.00-11.30am	Pathophysiology
15/10/2019	10.00-11.30am	Pharm. Microbiology
16/10/2019	10.00-11.30am	Pharmacognosy and Phytopharmaceuticals
17/10/2019	10.00-11.30am	Community Pharmacy
18/10/2019	10.00-11.30am	Pharmacotherapeutics I
19/10/2019	10.00-11.30am	Pharmacology I

Practical sessional exams will be held on their regular schedule from 24/10/19 to 25/10/19

Lavanya N

DEAN EXAM
Mrs. Nallaguntla
Lavanya

G. Parthasarathy

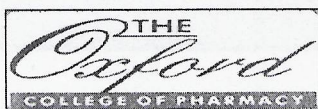
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II-PHARM D

SESSIONAL EXAM (Internal Assessment)-I

Date of Exam: 14/10/2019

SUBJECT CODE:	PHAD2A03Th, 2853	TOTAL MARKS	30
SUBJECT NAME:	PATHOPHYSIOLOGY	EXAM Hrs.	1.30 hour 10.00 to 11.30 AM

COURSE OBJECTIVE: The Objective of this course is to

- **Educate** students to have sound knowledge and to impart skills necessary for contribution to quality use of medicines, pathophysiology and therapeutics of various diseases. To enable the student to understand the pathophysiology of common diseases and their management in pharmaceutical sciences and to attain skills required in pharmacy profession.
- To afford students with proficiency of technical skills in various area of subjects in pharmaceutical sciences and enabling them to fulfill the requirements of Community and Hospital Pharmacy, Pharmacovigilance, Clinical research and also to pursue higher studies.
- To provide up to date knowledge in theory and practical and relevant training to students about the subjects of Pharmacotherapeutics, Pathophysiology, Pharmaceutical formulations, Pharmaceutical chemistry, Drug regulatory affairs, Pharmacology of drugs, drug analytical methods, drugs of natural origins.

I LONG ESSAYS (ANSWER ANY ONE) 1X10 = 10 MARKS	Marks	CO	Bloom's Taxonomy Level *
1. Describe the pathogenesis of reversible cell injury induced by hypoxia/ ischemia.	10	CO 1	L1
2. What are the various cellular events in acute inflammation?	10	CO 1	L1
II SHORT ESSAYS (ANSWER ANY TWO) 2X5 = 10 MARKS			
3. Write a note on type II hypersensitivity reaction?	5	CO 2	L2
4. What is healing by secondary intention?	5	CO 2	L1
5. Describe the pathogenesis of secondary infection?	5	CO 1	L1
III SHORT ANSWERS (ANSWER ALL) 5X2 = 10 MARKS			
6. What is the role of histamine in acute inflammation?	2	CO 1	L1
7. What is Allograft?	2	CO 1	L1
8. What is Anaplasia and Dysplasia?	2	CO 2	L2
9. What is Pompe's disease?	2	CO 2	L1
10. What is Rheumatoid arthritis?	2	CO 1	L1

Note: Bloom's taxonomy has 6 levels which are: L1 Remembering (Knowledge), L2 Understanding (Comprehension), L3 Applying, L4 Analyzing, L5 Evaluating and L6 Creating

COURSE OUTCOMES

- CO1 Describe the etiology and pathogenesis of the selected disease states;
CO2 Name the signs and symptoms of the diseases; and
CO3 Mention the complications of the diseases.



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II SESSIONAL TIME TABLE FOR II PHARM D (2019-20)

Date	Time	Subject
3/2/2020	10.00-11.30am	Pathophysiology
4/2/2020	10.00-11.30am	Pharm. Microbiology
5/2/2020	10.00-11.30am	Pharmacognosy and Phytopharmaceuticals
6/2/2020	10.00-11.30am	Community Pharmacy
7/2/2020	10.00-11.30am	Pharmacotherapeutics I
8/2/2020	10.00-11.30am	Pharmacology I

Practical sessional exams will be held on their regular schedule from 30/1/2020 to 31/1/2020.
Regular classes will be conducted on 1/2/2020

Lavanya N

DEAN EXAM
Mrs. Nallaguntla
Lavanya

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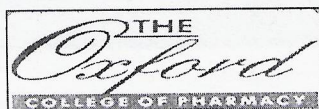
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II-PHARM D

SESSIONAL EXAM (Internal Assessment)-II

Date of Exam: 03/02/2020

SUBJECT CODE:	PHAD2A03Th, 2853	TOTAL MARKS	30
SUBJECT NAME:	PATHOPHYSIOLOGY	EXAM Hrs.	1.30 hour 10.00 to 11.30 AM
<p>COURSE OBJECTIVE: The Objective of this course is to Educate students to have sound knowledge and to impart skills necessary for contribution to quality use of medicines, pathophysiology and therapeutics of various diseases. To enable the student to understand the pathophysiology of common diseases and their management in pharmaceutical sciences and to attain skills required in pharmacy profession.</p> <p>To afford students with proficiency of technical skills in various area of subjects in pharmaceutical sciences and enabling them to fulfill the requirements of Community and Hospital Pharmacy, Pharmacovigilance, Clinical research and also to pursue higher studies.</p> <p>To provide up to date knowledge in theory and practical and relevant training to students about the subjects of Pharmacotherapeutics, Pathophysiology, Pharmaceutical formulations, Pharmaceutical chemistry, Drug regulatory affairs, Pharmacology of drugs, drug analytical methods, drugs of natural origins.</p>			
I LONG ESSAYS (ANSWER ANY ONE) 1X10 = 10 MARKS	Marks	CO	Bloom's Taxonomy Level *
1. Write the mechanism of invasion of tumor.	10	CO 1	L1
2. Describe the etiology, pathogenesis and diagnosis of asthma.	10	CO 1	L1
II SHORT ESSAYS (ANSWER ANY TWO) 2X5 = 10 MARKS			
3. Describe the cause and pathogenesis of parkinsonism?	5	CO 2	L2
4. Write a note on pattern of spread of cancer.	5	CO 2	L1
5. Explain how Alcoholic liver disease and liver Cirrhosis developed	5	CO 1	L1
III SHORT ANSWERS (ANSWER ALL) 5X2 = 10 MARKS			
6. What is Neoplasia?	2	CO 1	L1
7. Complications of diabetes mellitus	2	CO 1	L1
8. How do you grade cancer?	2	CO 2	L2
9. Define IBD and give two examples.	2	CO 2	L1
10. Write four contrasting features of benign and malignant tumour.	2	CO 1	L1
<p>Note: Bloom's taxonomy has 6 levels which are: L1 Remembering (Knowledge), L2 Understanding (Comprehension), L3 Applying, L4 Analyzing, L5 Evaluating and L6 Creating</p>			
COURSE OUTCOMES			
CO1 Describe the etiology and pathogenesis of the selected disease states;			
CO2 Name the signs and symptoms of the diseases; and			
CO3 Mention the complications of the diseases.			



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Course: II Pharm D

Subject: Pathophysiology

Student Name:

Staff In-charge:

S. No.	Name of Chapter	Class Test Date/ Marks (10)	Home Assig. Date/ Marks (10)	Viva Date/ Mark (10)	Marks	Sign
I SESSIONAL						
1.	Basic principles of cell injury and Adaptation					
2.	Inflammation					
3.	Diseases of Immunity					
Total Marks (Out of 90)						
Average (Out of 4 Marks)						
II SESSIONAL						
4.	Cancer					
5.	Shock					
6.	Radiation					
Total Marks (Out of 90)						
Average (Out of 4 Marks)						
III SESSIONAL						
7.	Environmental and nutritional diseases					
8.	Pathophysiology of common diseases					
9.	Infectious diseases					
Total Marks (Out of 90)						
Average (Out of 4 Marks)						
Average (For 3 Sessional)						

Signature of Subject In-charge

Signature of Mentor

Signature of H.O.D



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Course: II Pharm D

Subject: Pathophysiology

Student Name: *Deepak Datla (18Q0258)*

Staff In-charge: *Joyce*

S. No.	Name of Chapter	Class Test Date/ Marks (10)	Home Assig. Date/ Marks (10)	Viva Date/ Mark (10)	Marks	Sign
I SESSIONAL						
1.	Basic principles of cell injury and Adaptation	<i>20/8/19</i> 9	<i>26/8/19</i> 9		18	<i>Joyce</i>
2.	Inflammation	<i>10/9/19</i> 8	<i>16/9/19</i> 9		17	
3.	Diseases of Immunity	<i>7/10/19</i> 8	<i>3/10/19</i> 8		16	
Total Marks (Out of 60)					51	
Average (Out of 4 Marks)					3.4	
II SESSIONAL						
4.	Cancer	<i>22/10/19</i> 8	<i>5/11/19</i> 9		17	<i>Joyce</i>
5.	Shock	<i>12/11/19</i> 8	<i>26/11/19</i> 8		16	
6.	Radiation	<i>10/12/19</i> 8	<i>18/12/19</i> 9		17	
Total Marks (Out of 60)					50	
Average (Out of 4 Marks)					3.3	
III SESSIONAL						
7.	Environmental and nutritional diseases	<i>4/2/20</i> 9	<i>20/2/20</i> 8		17	<i>Joyce</i>
8.	Pathophysiology of common diseases	<i>9/3/20</i> 8	<i>13/3/20</i> 8		16	
9.	Infectious diseases	<i>14/4/20</i> 7	<i>11/5/20</i> 8		15	
Total Marks (Out of 60)					48	
Average (Out of 4 Marks)					3.2	
Average (For 3 Sessional)					3.3	

S. Joyce

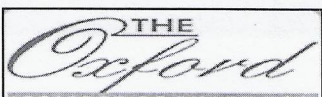
Signature of Subject In-charge

S. Joyce

Signature of Mentor

S. Ramasury

Signature of H.O.D



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I SESSIONAL TIME TABLE FOR B PHARM I SEM(2019-20)

Date	Time	Subject
09/10/2019	10.00-11 am	Human Anatomy and Physiology I
10/10/2019	10.00-11am	Pharmaceutical Analysis I
11/10/2019	10.00-11 am	Pharmaceutics I
12/10/2019	10.00-11am	Pharmaceutical Inorganic Chemistry
14/10/2019	10.00-11am	Remedial Biology/ Remedial Mathematics
15/10/2019	10.00-11am	Communication skills

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DEAN EXAM
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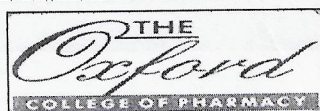
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B. PHARM RS5 SEMESTER - I			
SESSIONAL EXAM (Internal Assessment) – I			
Date of Exam: 10/10/2019			
SUBJECT CODE:	BP102T	TOTAL MARKS	30
SUBJECT NAME:	PHARMACEUTICAL ANALYSIS I	EXAM Hrs.	1 hour 10.00AM-11.00AM
COURSE OBJECTIVE: The Objective of this course is to			
<ul style="list-style-type: none"> • Educate students to have sound knowledge in pharmaceutical sciences and to attain skills required in pharmacy profession. • To afford students with proficiency of technical skills in various area of subjects in pharmaceutical sciences and enabling them to fulfill the requirements of Pharmaceutical Industries, Community and Hospital Pharmacy and also to pursue higher studies. • To provide up to date knowledge in theory and practical and relevant training to students about the subjects of Pharmaceutical formulation & development, Pharmaceutical chemistry, Drug regulatory affairs, Pharmacology of drugs, drug analytical methods, drugs of natural origins 			
I LONG ESSAYS (ANSWER ANY ONE) 1X10 = 10 MARKS	Marks	CO	Bloom's Taxonomy Level *
1. Explain the preparation and standardization procedure for following a) Ceric ammonium sulphate b) Sodium Thiosulphate	10	CO 1	L1
2. Define Pharmaceutical analysis and describe the different techniques of analysis	10	CO 1	L1
II SHORT ESSAYS (ANSWER ANY TWO) 2X5 = 10 MARKS			
3. What are indicators. Explain the theory of indicators used in acid-base titrations.	5	CO 1	L4
4. What is significant figure. Explain with examples.	5	CO 4	L2
5. Define Acidimetry and explain about estimation of Ephedrine Hydrochloride	5	CO 2	L1
III SHORT ANSWERS (ANSWER ALL) 5X2 = 10 MARKS			
6. How can you standardize 0.1N Sodium hydroxide	2	CO 2	L2
7. Define Molecular weight and Normality	2	CO 1	L1
8. Calculate Molecular weight of following: a) Oxalic acid b) Sodium hydroxide	2	CO 1	L1
9. Define qualitative analysis and quantitative analysis	2	CO 2	L2
10. Define Accuracy and Precision	2	CO 3	L2
Note: Bloom's taxonomy has 6 levels which are: L1 Remembering (Knowledge) , L2 Understanding (Comprehension), L3 Applying, L4 Analyzing, L5 Evaluating and L6 Creating			
COURSE OUTCOMES			
CO1 To understand the principles of volumetric and electro chemical analysis			
CO2 To carryout various volumetric and electrochemical titrations			
CO3 To develop analytical skills.			



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II SESSIONAL TIME TABLE FOR B PHARM I SEM(2019-20)

Date	Time	Subject
09/12/2019	10.00-11 am	Human Anatomy and Physiology I
10/12/2019	10.00-11am	Pharmaceutical Analysis I
11/12/2019	10.00-11 am	Pharmaceutics I
12/12/2019	10.00-11am	Pharmaceutical Inorganic Chemistry
13/12/2019	10.00-11am	Remedial Biology/ Remedial Mathematics
14/12/2019	10.00-11am	Communication skills

Lavanya N

DEAN EXAM
Mrs. Nallaguntla
Lavanya

G. Parthasarathy

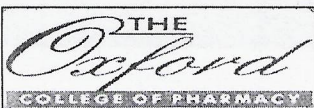
DEAN ACADEMICS
Dr. G. Parthasarathy

P. Padma

PRINCIPAL
Dr. Padmaa M Paarakh

PRINCIPAL

The Oxford College Of Pharmacy
No 6/9, 1st Cross, Begur Road, Hongasandra
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B. PHARM RS5 SEMESTER - I			
SESSIONAL EXAM (Internal Assessment) – II			
Date of Exam: 10/12/2019			
SUBJECT CODE:	BP102T	TOTAL MARKS	30
SUBJECT NAME:	PHARMACEUTICAL ANALYSIS I	EXAM Hrs.	1 hour 10.00AM-11.00AM
COURSE OBJECTIVE: The Objective of this course is to			
<ul style="list-style-type: none"> • Educate students to have sound knowledge in pharmaceutical sciences and to attain skills required in pharmacy profession. • To afford students with proficiency of technical skills in various area of subjects in pharmaceutical sciences and enabling them to fulfill the requirements of Pharmaceutical Industries, Community and Hospital Pharmacy and also to pursue higher studies. • To provide up to date knowledge in theory and practical and relevant training to students about the subjects of Pharmaceutical formulation & development, Pharmaceutical chemistry, Drug regulatory affairs, Pharmacology of drugs, drug analytical methods, drugs of natural origins 			
I LONG ESSAYS (ANSWER ANY ONE) 1X10 = 10 MARKS	Marks	CO	Bloom's Taxonomy Level *
1. Explain the principle and classification involved in complexometric titrations. Write about masking and demasking agents	10	CO 1	L1
2. What is Gravimetry? Explain in detail the steps involved in gravimetric methods of analysis.	10	CO 1	L1
II SHORT ESSAYS (ANSWER ANY TWO) 2X5 = 10 MARKS			
3. What are indicator electrodes. Explain construction and working of any two indicator electrodes.	5	CO 1	L4
4. Explain Co precipitation and post precipitation. Explain the estimation of Barium sulphate	5	CO 4	L2
5. What are the methods to determine the end point of potentiometric titrations and write its applications.	5	CO 2	L1
III SHORT ANSWERS (ANSWER ALL) 5X2 = 10 MARKS			
6. What is electrode potential and explain by Nernst equation	2	CO 2	L2
7. Write the principle involved in Diazotization titration.	2	CO 1	L1
8. Define Conductance, Equivalent conductance, Resistance. write suitable formulae with units	2	CO 1	L1
9. How can you standardize ceric sulphate by cerimetry titration	2	CO 2	L2
10. What is the difference between direct titration	2	CO 3	L2
Note: Bloom's taxonomy has 6 levels which are: L1 Remembering (Knowledge), L2 Understanding (Comprehension), L3 Applying, L4 Analyzing, L5 Evaluating and L6 Creating			
COURSE OUTCOMES			
CO1 To understand the principles of volumetric and electro chemical analysis			
CO2 To carryout various volumetric and electrochemical titrations			
CO3 To develop analytical skills			



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Course: B Pharm I Semester

Subject: Pharmaceutical Analysis

Staff In-charge:

Student Name:

Reg: No:

S.No	TOPIC	Class Test [10]	Home Assign. [10]	Viva [10]	Signature
I SESSIONAL					
1	Pharmaceutical Analysis & Errors				
2	Acid Base Titration Non Aqueous Titration				
3	Precipitation titration Complexometric titration				
	Total				
	Average (allotted for Theory)	Class test [3]	Home assign [3]	Attendance [4]	Total [10]
	Average (obtained for Theory)				
	Average (allotted for Practical)	Viva [1.5]	Record [1.5]	Attendance [2]	Total [5]
	Average (obtained for Practical)				
Remarks of HOD:					
II SESSIONAL					
4	Gravimetric Analysis				
5	Redox titration				
6	Electrochemical methods of analysis				
	Total				
	Average (allotted for Theory)	Class test [3]	Home assign [3]	Attendance [4]	Total [10]
	Average (obtained for Theory)				
	Average (allotted for Practical)	Viva [1.5]	Record [1.5]	Attendance [2]	Total [5]
	Average (obtained for Practical)				
Remarks of HOD:					

Sign. of Subject In-charge:

Sign. of Mentor:

Sign. of H.O.D



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Course: B Pharm I Semester

Student Name: Sharath J

Subject: Pharmaceutical Analysis

Reg: No: 19P6021

Staff In-charge: Ms Tanya

S.No	TOPIC	Class Test [10]	Home Assign. [10]	Viva [10]	Signature
I SESSIONAL					
1	Pharmaceutical Analysis & Errors	21/8/19 5		9/9/19 6	}
2	Acid Base Titration Non Aqueous Titration		6/9/19 8	23/9/19 5	
3	Precipitation titration Complexometric titration		25/9/19 7		
	Total	5	15	11	
	Average (allotted for Theory)	Class test [3]	Home assign [3]	Attendance [4]	Total [10]
	Average (obtained for Theory)	1.5	2.25	0	3.75
	Average (allotted for Practical)	Viva [1.5]	Record [1.5]	Attendance [2]	Total [5]
	Average (obtained for Practical)	0.82	1.3	0	2.12
Remarks of HOD:					
II SESSIONAL					
4	Gravimetric Analysis	25/10/19 7	22/10/19 8	26/10/19 9	}
5	Redox titration		13/11/19 8	28/11/19 9	
6	Electrochemical methods of analysis		3/12/19 9		
	Total	7	25	18	
	Average (allotted for Theory)	Class test [3]	Home assign [3]	Attendance [4]	Total [10]
	Average (obtained for Theory)	2.1	2.5	03	7.6
	Average (allotted for Practical)	Viva [1.5]	Record [1.5]	Attendance [2]	Total [5]
	Average (obtained for Practical)	1.2	1.5	1	3.7
Remarks of HOD:					

Sign. of Subject In-charge: Tanya

Sign. of Mentor: Su

Sign. of H.O.D: S



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Date: 25.09.2018

This is to inform you that Mrs. Nallaguntla Lavanya, Assistant Professor, Department of Pharmaceutics is hereby appointed as the Dean-Examination of our Institution with immediate effect and she will hold this position until further orders.

P. Padma
PRINCIPAL

Dr. Padmaa M. Paarakh

PRINCIPAL

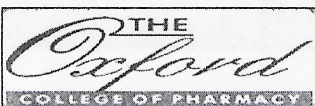
The Oxford College Of Pharmacy
No 6/9, 1st Cross, Begur Road, Hongasandra
Bangalore - 560 068

To

1. Mrs. Nallaguntla Lavanya,
Assistant Professor,
Department of Pharmaceutics,
The Oxford College of Pharmacy,
Bangalore-560068

Copy to:

1. The Head of the Department, The oxford College of Pharmacy, Bangalore-560068.



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Ref. No.: TOCP/DEC/01/2018-19

Date: 25.09.2018

NOTIFICATION

Sub: Constitution of Internal Board of Examiners

The following faculty members are appointed as Internal Board of Examiners for scrutinising up of question paper with respect to UG and PG Internal Examination until further notice.

The Examiners shall maintain confidentiality and adhere to the rules and regulations of the University and Institution.

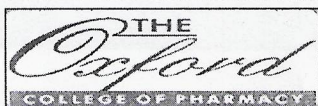
Committees under dean examination:

Mrs. Nallaguntla Lavanya., Assistant Professor Dean-examination

<u>INTERNAL EXAMINATION ASSESSMENT COMMITTEE</u>			
SR.NO.	POST	NAME OF THE TEACHER	DEPARTMENT
1	CHAIRMAN	Mrs. Nallaguntla Lavanya	Pharmaceutics
2	MEMBER	Dr. Jyoti Shrivastava	Pharmaceutical Chemistry
3	MEMBER	Dr. Swathy. S.	Pharmacy Practice
4	MEMBER	Ms. G. Supriya Reddy	Pharmacology
5	MEMBER	Ms. Durga. V	Pharmaceutical Chemistry

<u>QUESTION PAPER SCRUTINY COMMITTEE</u>			
SR.NO.	POST	NAME OF THE TEACHER	DEPARTMENT
1	CHAIRMAN	Dr. Padmaa M Paarakh	PRINCIPAL
2	DEAN EXAM	Mrs. Nallaguntla Lavanya	Pharmaceutics
3	MEMBER	Dr. Gururaj S. Kulkarni	Pharmaceutics
4	MEMBER	Dr. Devangam Sheshadri Sekhar	Pharmacology
5	DEAN ACADEMICS/ MEMBER	Dr. Parthasarathy G.	Pharmacy Practice
6	MEMBER	Dr. Yeligar Veerendra Channabasappa	Pharmaceutical chemistry

P. Padma
PRINCIPAL



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EXAMINATION CELL, TOCP, BANGALORE

GUIDELINES FOR CONDUCTING SESSIONAL EXAMINATION

1. The students should reach the examination 10 minutes early before the commencement of examination.
2. Seating Arrangement should be followed strictly by the students and should be monitored by the invigilators.
3. The students are allowed to leave the examination hall only after the permission of the invigilator.
4. In exam, scientific calculators, mobile phones, smart watches are not allowed.
5. The students must carry their ID-cards, stationery and water bottle along with them.
6. Student must write their registration number on the booklet and on the question paper in the beginning of exam.
7. If any student is found using unfair means, they will be asked to leave the examination hall immediately and other disciplinary action also will be taken.

Lavanya .N.

DEAN EXAM
Mrs. Nallaguntla
Lavanya

G. Parthasarathy

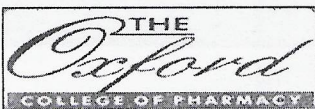
DEAN ACADEMICS
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GRIEVANCE COMMITTEE 2018-2019

COMMITTEE MEMBERS:

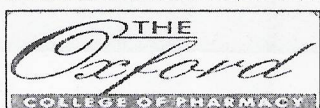
S.NO.	NAME OF THE MEMBER	DESIGNATION	POST
1	Dr. PADMAA M PAARAKH	PROFESSOR& PRINCIPAL	CHAIRPERSON
2	Mrs. SURINDER KAUR	ASSOC. PROFESSOR	MEMBER
3	Dr. G. NAGALAKSHMI	ASSISTANT PROFESSOR	MEMBER
4	MS. PRIYADHARSHINI	STUDENT REPRESENTATIVE	INVITE
5	Mr. NAVEEN KRISHNA	STUDENT REPRESENTATIVE	INVITE

P. Padma

PRINCIPAL

PRINCIPAL

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Bangalore - 560 068



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TOCP/GRC/2018-19/01

Date: 25.09.2018

To

The Principal,

The Oxford College of Pharmacy,

Bangalore-68.

Subject: Regarding the Internal Assessment grievances for the academic year 2018-19.

Respected Madam,

In order to maintain transparency and fairness in sessional examination, the Dean examination would review the process in consultation with central grievance redressal committee. Whereas if any grievances pertaining to sessional examination are reported and will be routed to central grievance committee and same will be addressed by central grievance committee.

Whereas, for the academic year 2018-19, upon evaluating all the sessional examination, there were no major grievances reported pertaining to sessional examination. However, there were few pertaining to less marks given for some answers, which were not grouped into major grievances.

From,

Lavanya.

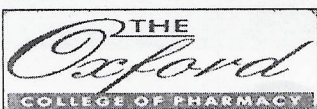
Mrs. Lavanya N,

Assistant Professor,

Dean Examination,

The Oxford College of Pharmacy,

Bangalore-560068.



No.6/9, 1st Cross, Begur Road, Hongasandra, Bengaluru -560 068

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I SESSIONAL TIMETABLE FOR M PHARM I SEM PHARMACEUTICS (2018-19)

Date	Time	Subject
02/10/2018	10.00-11am	Modern Pharmaceutical Analytical Techniques
03/10/2018	10.00-11am	Modified Release Drug Delivery System
04/10/2018	10.00-11am	Modern Pharmaceutics
06/10/2018	10.00-11am	Pharmaceutical Regulatory Affair

Practical Sessional will be conducted as scheduled in the Time Table.

Lavanya N.

DEAN EXAM
Mrs. Nallaguntla
Lavanya

G. Parthasarathy

DEAN ACADEMICS
Dr. G. Parthasarathy

P. Padma
PRINCIPAL

Dr. Padmaa M Paarakh

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M.PHARM RS5 BRANCH: PHARMACEUTICS SEMESTER - I			
SESSIONAL EXAM (Internal Assessment) - I			
Date of Exam: 04/10/2018			
SUBJECT CODE:	MPH102T	TOTAL MARKS	30
SUBJECT NAME:	MODERN PHARMACEUTICS	EXAM Hrs.	1 hr 10.00 to 11.00 AM
<p>COURSE OBJECTIVE: The Objective of this course is to Educate students to have sound knowledge in Pharmaceutical formulation & development and to attain skills required in pharmacy profession.</p> <p>To afford students with proficiency of technical skills in various area of subjects in pharmaceutical sciences and enabling them to fulfill the requirements of Pharmaceutical Industries, Research and formulation development and also to pursue PhD.</p> <p>To provide up to date knowledge in theory and practical and relevant training to students about the subjects of Pharmaceutics, Cosmetics, Pharmaceutical Analysis, Drug regulatory affairs, drug design etc.</p>			
I. LONG ESSAYS (ANSWER ANY TWO) 2X10 = 20 MARKS	Marks	CO	Bloom's Taxonomy Level *
Explain in detail composition & stability aspects of SMEDDs.	10	CO 5	L1
Discuss in detail about ICH guidelines for validation of equipment.	10	CO 5	L2
Write a note on optimization parameters and classical optimization.	10	CO 4	L3
II SHORT ESSAYS (ANSWER ANY TWO) 2X5 = 10 MARKS			
Explain in detail various types of validation.	5	CO4	L2
Write a note on history of computers.	5	CO 1	L1
Write a note on factorial design and its applications.	5	CO 1	L1
<p>Note: Bloom's taxonomy has 6 levels which are: L1 Remembering (Knowledge), L2 Understanding (Comprehension), L3 Applying, L4 Analyzing, L5 Evaluating and L6 Creating</p>			
COURSE OUTCOMES			
<p>CO1--- To understand the elements of pre formulation studies.</p> <p>CO2--- To understand the Active Pharmaceutical Ingredients and Generic drug Product development</p> <p>CO3--- To learn Industrial Management and GMP Considerations.</p> <p>CO4--- To understand Optimization Techniques & Pilot Plant Scale Up Techniques</p> <p>CO5--- To Study Stability Testing, sterilization process & packaging of dosage forms.</p>			



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II SESSIONAL TIMETABLE FOR M PHARM I SEM PHARMACEUTICS (2018-19)

Date	Time	Subject
11/12/2018	10.00-11am	Modern Pharmaceutical Analytical Techniques
12/12/2018	10.00-11am	Modified Release Drug Delivery System
13/12/2018	10.00-11am	Modern Pharmaceutics
15/12/2018	10.00-11am	Pharmaceutical Regulatory Affair

Practical Sessional will be conducted as scheduled in the Time Table.

Lavanya N

DEAN EXAM
Mrs. Nallaguntla
Lavanya

G. Parthasarathy

DEAN ACADEMICS
Dr. G. Parthasarathy

P. Padma
PRINCIPAL

Dr. Padmaa M Paarakh

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M.PHARM RS5 BRANCH: PHARMACEUTICS SEMESTER - I			
SESSIONAL EXAM (Internal Assessment) - II			
Date of Exam: 13/12/2018			
SUBJECT CODE:	MPH102T	TOTAL MARKS	30
SUBJECT NAME:	MODERN PHARMACEUTICS	EXAM Hrs.	1 hr 10.00 to 11.00 AM
<p>COURSE OBJECTIVE: The Objective of this course is to Educate students to have sound knowledge in Pharmaceutical formulation & development and to attain skills required in pharmacy profession.</p> <p>To afford students with proficiency of technical skills in various area of subjects in pharmaceutical sciences and enabling them to fulfil the requirements of Pharmaceutical Industries, Research and formulation development and also to pursue PhD.</p> <p>To provide up to date knowledge in theory and practical and relevant training to students about the subjects of Pharmaceutics, Cosmetics, Pharmaceutical Analysis, Drug regulatory affairs, drug design etc.</p>			
LONG ESSAYS (ANSWER ANY TWO) 2X10 = 20 MARKS	Marks	CO	Bloom's Taxonomy Level *
1. Define and explain compression and consolidation.	10	CO 1	L1
2. Explain the different dissolution parameters.	10	CO 1	L2
3. Define CGMP. Explain the fundamental principles of CGMP.	10	CO 3	L3
II SHORT ESSAYS (ANSWER ANY TWO) 2X5 = 10 MARKS			
4. Explain Heckles plot and write its significance	5	CO4	L2
5. Enlist solubility enhancement techniques and explain.	5	CO 1	L1
6. Explain the concept of TQM	5	CO 3	L1
<p>Note: Bloom's taxonomy has 6 levels which are: L1 Remembering (Knowledge) , L2 Understanding (Comprehension), L3 Applying, L4 Analysing, L5 Evaluating and L6 Creating</p>			
COURSE OUTCOMES			
<p>CO1--- To understand the elements of preformulation studies.</p> <p>CO2--- To understand the Active Pharmaceutical Ingredients and Generic drug Product development</p> <p>CO3--- To learn Industrial Management and GMP Considerations.</p> <p>CO4--- To understand Optimization Techniques & Pilot Plant Scale Up Techniques</p> <p>CO5--- To Study Stability Testing, sterilization process & packaging of dosage forms.</p>			



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Course: M Pharm I Semester
Student name:

Subject: MODERN PHARMACEUTICS (MPH102T)
Staff in charge:

S. No	Name of the Chapter	Class test Date/mark (10)	Assignment Date/mark (10)	Seminar Date / Mark (10)	Regular Practical Viva Date/mark (10)	Marks	Sign
I SESSIONAL							
1.	Preformation Concept						
2.	Optimization techniques in Pharmaceutical Formulation						
3.	Validation						
		Total Marks (Out of 30)	Average (Out of 2marks)		Attendance (8 marks)	Total (10 marks)	
Total Marks obtained in theory							
		Total Marks (Out of 30)	Average (Out of 10 marks)		Attendance (4 marks)	Total (14 marks)	
Total Marks obtained in Assignment							
		Total Marks (Out of 30)	Average (Out of 10 marks)		Attendance (4 marks)	Total (14 marks)	
Total Marks obtained in Seminar							
		Record (2.5 marks)	Regular viva (2.5 marks)		Attendance (10 marks)	Total (15 marks)	
Total Marks obtained in practical of Pharmacology -I							
II SESSIONAL							
4.	cGMP & Industrial Management						
5.	Compression and compaction						
6.	Study of consolidation parameters						
		Total Marks (Out of 30)	Average (Out of 2marks)		Attendance (8 marks)	Total (10 marks)	
Total Marks obtained in theory							
		Total Marks (Out of 30)	Average (Out of 10 marks)		Attendance (4 marks)	Total (14 marks)	
Total Marks obtained in Assignment							
		Total Marks (Out of 30)	Average (Out of 10 marks)		Attendance (4 marks)	Total (14 marks)	
Total Marks obtained in Seminar							
		Record (2.5 marks)	Regular viva (2.5 marks)		Attendance (10 marks)	Total (15 marks)	
Total Marks obtained in practical of Pharmacology -I							

Signature of Subject In-charge.

Signature of Mentor

Signature of H.O.D



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Course: M Pharm I Semester

Subject: MODERN PHARMACEUTICS (MPH102T)

Student name:

KAVYA.M.S.

Staff in charge:

Mrs. Lavanya.M.

S. No	Name of the Chapter	Class test Date/mark (10)	Assignment Date/mark (10)	Seminar Date / Mark (10)	Regular Practical Viva Date/mark (10)	Marks	Sign
I SESSIONAL							
1.	Preformation Concept	30/8/18 9	30/9/18 9	17/8/18 9	17/8/18 8	35	}
2.	Optimization techniques in Pharmaceutical Formulation	17/9/18 8.5	25/10/18 8	7/9/18 8	7/9/18 7	31.5	
3.	Validation	22/10/18 8.5	30/10/18 8	19/10/18 9	19/10/18 8	33.5	
		Total Marks (Out of 30)	Average (Out of 2marks)		Attendance (8 marks)	Total (10 marks)	
Total Marks obtained in theory		26	1.73		6	7.73	
		Total Marks (Out of 30)	Average (Out of 10 marks)		Attendance (4 marks)	Total (14 marks)	
Total Marks obtained in Assignment		25	8.3		3	11.3	
		Total Marks (Out of 30)	Average (Out of 10 marks)		Attendance (4 marks)	Total (14 marks)	
Total Marks obtained in Seminar		26	8.6		4	12.6	
		Record (2.5 marks)	Regular viva (2.5 marks)		Attendance (10 marks)	Total (15 marks)	
Total Marks obtained in practical of Pharmacology -I		2.5	1.91		6	10.41	
II SESSIONAL							
4.	cGMP & Industrial Management	5/11/18 9	13/11/18 8	9/11/18 8	9/11/18 8	33	}
5.	Compression and compaction	12/11/18 8	20/11/18 9	23/11/18 7	23/11/18 7	31	
6.	Study of consolidation parameters	19/11/18 8	27/11/18 8	30/11/18 8	30/11/18 7	31	
		Total Marks (Out of 30)	Average (Out of 2marks)		Attendance (8 marks)	Total (10 marks)	
Total Marks obtained in theory		25	1.6		6	7.6	
		Total Marks (Out of 30)	Average (Out of 10 marks)		Attendance (4 marks)	Total (14 marks)	
Total Marks obtained in Assignment		25	8.3		4	12.3	
		Total Marks (Out of 30)	Average (Out of 10 marks)		Attendance (4 marks)	Total (14 marks)	
Total Marks obtained in Seminar		23	7.6		4	11.6	
		Record (2.5 marks)	Regular viva (2.5 marks)		Attendance (10 marks)	Total (15 marks)	
Total Marks obtained in practical of Pharmacology -I		2.5	1.83		8	12.33	

Signature of Subject In-charge.

Lavanya M.

Signature of Mentor

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Signature of H.O.D

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I SESSIONAL TIME TABLE FOR I PHARM D (2018-19)

Date	Time	Subject
09/10/2018	2.00-3.30pm	HAP
10/10/2018	2.00-3.30pm	Pharmaceutics
12/10/2018	2.00-3.30pm	Medicinal Biochemistry
15/10/2018	10.00-11.30am	PIC
16/10/2018	2.00-3.30pm	POC

Practical sessional exams will be held on their regular schedule from 9/10/18 to 12/10/18

Lavanya N

DEAN EXAM
Mrs. Nallaguntla
Lavanya

G. Parthasarathy

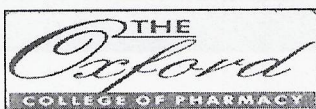
DEAN ACADEMICS
Dr. G. Parthasarathy

P. Padma

PRINCIPAL
Dr. Padmaa M Paarakh

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I-PHARM D			
SESSIONAL EXAM (Internal Assessment)-I			
Date of Exam: 12/10/2018			
SUBJECT CODE:	PHAD2A03Th	TOTAL MARKS	30
SUBJECT NAME:	Medicinal Biochemistry	EXAM Hrs.	1.30 hour 10.00 to 11.30 AM
<p>COURSE OBJECTIVE: The Objective of this course is to</p> <ul style="list-style-type: none"> Educate students to have sound knowledge and to impart skills necessary for contribution to quality use of medicines, pathophysiology and therapeutics of various diseases. To enable the student to understand the pathophysiology of common diseases and their management in pharmaceutical sciences and to attain skills required in pharmacy profession. To afford students with proficiency of technical skills in various area of subjects in pharmaceutical sciences and enabling them to fulfill the requirements of Community and Hospital Pharmacy, Pharmacovigilance, Clinical research and also to pursue higher studies. To provide up to date knowledge in theory and practical and relevant training to students about the subjects of Pharmacotherapeutics, Pathophysiology, Pharmaceutical formulations, Pharmaceutical chemistry, Drug regulatory affairs, Pharmacology of drugs, drug analytical methods, drugs of natural origins 			
I LONG ESSAYS (ANSWER ANY ONE) 1X10 = 10 MARKS	Marks	CO	Bloom's Taxonomy Level *
1. Describe the TCA Cycle.	10	CO 1	L1
2. Define Gluconeogenesis and explain the reactions involved in it with its significance.	10	CO 1	L1
II SHORT ESSAYS (ANSWER ANY TWO) 2X5 = 10 MARKS			
3. Explain the hormonal regulation of blood glucose level in the body.	5	CO 2	L2
4. Outline the various biochemical reactions involved in HMP shunt pathway and write its significance.	5	CO 2	L1
5. Explain the B-oxidation of saturated fatty acids. Calculate the ATP generated on complete oxidation of palmitic acid.	5	CO 1	L1
III SHORT ANSWERS (ANSWER ALL) 5X2 = 10 MARKS			
6. What is Diabetes mellitus? Mention its types.	2	CO 1	L1
7. What is the use of malate-aspartate shuttle?	2	CO 1	L1
8. What is the amphibolic role of TCA cycle?	2	CO 2	L2
9. What are anaplerotic reactions?	2	CO 2	L1
10. Define Ketogenesis?	2	CO 1	L1
<p>Note: Bloom's taxonomy has 6 levels which are: L1 Remembering (Knowledge), L2 Understanding (Comprehension), L3 Applying, L4 Analyzing, L5 Evaluating and L6 Creating</p>			
COURSE OUTCOMES			
<p>CO1 Understand the catalytic activity of enzymes and importance of isoenzymes in diagnosis of diseases; CO2 Know the metabolic process of biomolecules in health and illness (metabolic disorders); CO3 Understand the genetic organization of mammalian genome; protein synthesis; replication; mutation and repair mechanism; CO4 Know the biochemical principles of organ function tests of kidney, liver and endocrine gland; and CO5 Do the qualitative analysis and determination of biomolecules in the body fluids.</p>			



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II SESSIONAL TIME TABLE FOR I PHARM D (2018-19)

Date	Time	Subject
21/1/2019	10.00-11.30am	HAP
22/1/2019	10.00-11.30am	Pharmaceutics
23/1/2019	10.00-11.30am	Medicinal Biochemistry
24/1/2019	10.00-11.30am	POC
25/1/2019	10.00-11.30am	PIC

Practical Sessional will start from 28/1/2019 to 1/2/2018 as scheduled in the Time Table.

On 30/1/2019 regular classes will be conducted

Lavanya . N.

DEAN EXAM
Mrs. Nallaguntla
Lavanya

G. Parthasarathy

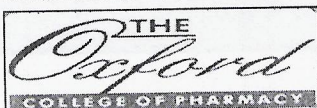
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I-PHARM D SESSIONAL EXAM (Internal Assessment)-II Date of Exam: 23/01/2019			
SUBJECT CODE:	PHAD2A03Th	TOTAL MARKS	30
SUBJECT NAME:	Medicinal Biochemistry	EXAM Hrs.	1.30 hour 10.00 to 11.30 AM
<p>COURSE OBJECTIVE: The Objective of this course is to</p> <ul style="list-style-type: none"> Educate students to have sound knowledge and to impart skills necessary for contribution to quality use of medicines, pathophysiology and therapeutics of various diseases. To enable the student to understand the pathophysiology of common diseases and their management in pharmaceutical sciences and to attain skills required in pharmacy profession. To afford students with proficiency of technical skills in various area of subjects in pharmaceutical sciences and enabling them to fulfill the requirements of Community and Hospital Pharmacy, Pharmacovigilance, Clinical research and also to pursue higher studies. To provide up to date knowledge in theory and practical and relevant training to students about the subjects of Pharmacotherapeutics, Pathophysiology, Pharmaceutical formulations, Pharmaceutical chemistry, Drug regulatory affairs, Pharmacology of drugs, drug analytical methods, drugs of natural origins 			
I LONG ESSAYS (ANSWER ANY ONE) 1X10 = 10 MARKS		Marks	CO
1. Describe the biosynthesis of cholesterol. Add a note on the role of cholesterol in the body.		10	CO 1
2. Explain in detail about biosynthesis of proteins.		10	CO 1
II SHORT ESSAYS (ANSWER ANY TWO) 2X5 = 10 MARKS			
3. Describe the reactions of urea cycle.		5	CO 2
4. What is jaundice and explain the different types of jaundice.		5	CO 2
5. Describe the different DNA repair mechanism.		5	CO 1
III SHORT ANSWERS (ANSWER ALL) 5X2 = 10 MARKS			
6. What are transaminases? Write the diagnostic importance of two transaminases.		2	CO 1
7. What is the normal blood urea level? Name two conditions in which blood urea level is elevated.		2	CO 1
8. Name four metabolic disorders of urea cycle with enzyme defect.		2	CO 2
9. What is Gout?		2	CO 2
What are leading and lagging strands?		2	CO 1
<p>Note: Bloom's taxonomy has 6 levels which are: L1 Remembering (Knowledge) , L2 Understanding (Comprehension), L3 Applying, L4 Analysing, L5 Evaluating and L6 Creating</p>			
COURSE OUTCOMES			
CO1 Understand the catalytic activity of enzymes and importance of isoenzymes in diagnosis of diseases; CO2 Know the metabolic process of biomolecules in health and illness (metabolic disorders); CO3 Understand the genetic organization of mammalian genome; protein synthesis; replication; mutation and repair mechanism; CO4 Know the biochemical principles of organ function tests of kidney, liver and endocrine gland; and CO5 Do the qualitative analysis and determination of biomolecules in the body fluids.			



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Course: I Pharm D

Subject: Medicinal Biochemistry

Student Name:

Staff In-charge:

S.No	Name of the Chapter	Class test Date/ mark (10)	Home Assig. Date/ mark (10)	Viva Date/ mark (10)	Marks	Sign
I SESSIONAL						
1.	Introduction to biochemistry					
2.	Enzyme					
3.	Carbohydrate metabolism					
Total Marks (out of 80)						
Average (out of 4 marks)						
II SESSIONAL						
4.	Immunochemical techniques, The kidney function test, Lipid profile test, Electrolytes					
5.	Biological oxidation					
6.	Protein and amino acid metabolism					
Total Marks (out of 80)						
Average (out of 4)						
III SESSIONAL						
7.	Lipid metabolism					
8.	Liver function tests					
9.	Nucleic acid metabolism					
10	Introduction to clinical chemistry					
Total Marks (out of 80)						
Average (out of 4)						
Average (for 3 sessional)						

*Score will be included in practical Sessional Marks

Signature of subject In-charge

Signature of Mentor

Signature of H.O.D



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Course: I Pharm D

Subject: Medicinal Biochemistry


Student Name: Aman Roshan F (18G0252)

Staff In-charge: Shruti Acharya

S.No	Name of the Chapter	Class test Date/ mark (10)	Home Assig. Date/ mark (10)	Viva Date/ mark (10)	Marks	Sign	
I SESSIONAL							
1.	Introduction to biochemistry	7/8/18 8.5	30/9/18 9	4/9/18 9.5		}	
2.	Enzyme	28/8/18 8.5	13/9/18 9	18/8/18 9.5			
3.	Carbohydrate metabolism	4/9/18 8.5	26/9/18 9	25/8/18 8.5			
Total Marks (out of 80)					78.5		
Average (out of 4 marks)					3.925		
II SESSIONAL							
4.	Immunochemical techniques, The kidney function test, Lipid profile test, Electrolytes	27/12/18 9.5	2/1/19 9	8/1/19 8			}
5.	Biological oxidation	11/12/18 9.5	2/1/19 9	8/1/19 8			
6.	Protein and amino acid metabolism	8/1/19 9	28/1/19 9	10/1/19 8.5			
Total Marks (out of 80)					77.5		
Average (out of 4)					3.875		
III SESSIONAL							
7.	Lipid metabolism	26/3/19 9	7/3/19 9	9/3/19 8		}	
8.	Liver function tests	12/3/19 8	14/3/19 9	16/3/19 8.5			
9.	Nucleic acid metabolism	26/3/19 8.5	28/3/19 9	28/3/19 8.5			
10.	Introduction to clinical chemistry						
Total Marks (out of 80)					76.5		
Average (out of 4)							
Average (for 3 sessional)					3.825		

*Score will be included in practical Sessional Marks

3.87


Signature of subject In-charge


Signature of Mentor


Signature of H.O.D



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I SESSIONAL TIME TABLE FOR I B PHARM (2018-19)

Date	Time	Subject
01/10/2018	10.00-11 am	Human Anatomy and Physiology I
03/10/2018	10.00-11am	Pharmaceutical Analysis I
04/10/2018	10.00-11 am	Pharmaceutics I
05/10/2018	10.00-11am	Pharmaceutical Inorganic Chemistry
06/10/2018	9.30 -10.30 am	Remedial Biology/ Remedial Mathematics
09/10/2018	10.00-11am	Communication skills

Lavanya N.

DEAN EXAM

Mrs. Nallaguntla
Lavanya

G. Parthasarathy

DEAN ACADEMICS

Dr. G. Parthasarathy

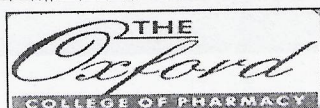
P. Padma

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B. PHARM RS5 SEMESTER - I

SESSIONAL EXAM (Internal Assessment) - I

Date of Exam: 05/10/2018

SUBJECT CODE:	BP104T	TOTAL MARKS	30
SUBJECT NAME:	Pharmaceutical Inorganic Chemistry	EXAM HRS.	1 hour 2:00AM to 3:00 PM

COURSE OBJECTIVE: The Objective of this course is to

- Educate students to have sound knowledge in pharmaceutical sciences and to attain skills required in pharmacy profession.
- To afford students with proficiency of technical skills in various area of subjects in pharmaceutical sciences and enabling them to fulfill the requirements of Pharmaceutical Industries, Community and Hospital Pharmacy and to pursue higher studies.
- To provide up to date knowledge in theory and practical and relevant training to students about the subjects of pharmaceutical formulation & development, pharmaceutical chemistry, Drug regulatory affairs, Pharmacology of drugs, drug analytical methods, drugs of natural origins.

I LONG ESSAYS (ANSWER ANY ONE) 1X10 = 10 MARKS	Marks	CO	Bloom's Taxonomy Level *
1. Describe the principle, reactions, and apparatus of arsenic limit test	10	CO (1)	L1
2. Define acidic and base buffer. Derive Henderson-Hasselbach equation	10	CO (1)	L2
II SHORT ESSAYS (ANSWER ANY TWO) 2X5 = 10 MARKS			
3. What are antacids? Classify them with examples and add a note on combination therapy OR	5	CO (2)	L2
4. Write the principle, reactions and procedure involved in the limit test for iron			L1
5. Discuss the role of fluoride treatment in dental caries	5	CO (2)	L1
III SHORT ANSWERS (ANSWER ALL) 5X2 = 10 MARKS			
6. Write the composition of ORS powder	2	CO (1)	L1
7. Define osmotic pressure and isotonic solutions	2	CO (1)	L1
8. Define systemic acidifier with examples	2	CO (2)	L1
9. Write a role of lead acetate cotton wool in arsenic limit test	2	CO (1)	L1
10. Explain the role of alcohol and barium chloride in sulphate limit test	2	CO (1)	L1

Note: Bloom's taxonomy has 6 levels which are: L1 Remembering (Knowledge), L2 Understanding (Comprehension), L3 Applying, L4 Analyzing, L5 Evaluating and L6 Creating

COURSE OUTCOMES

CO1	To know the sources of impurities and methods to determine the impurities in inorganic drugs and pharmaceuticals.
CO2	Understand the medicinal and pharmaceutical importance of inorganic compounds



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II SESSIONAL TIME TABLE FOR B PHARM I SEM (2018-19)

Date	Time	Subject
10/12/2018	10.00-11 am	Human Anatomy and Physiology I
11/12/2018	10.00-11am	Pharmaceutical Analysis I
12/12/2018	10.00-11 am	Pharmaceutics I
13/12/2018	10.00-11am	Pharmaceutical Inorganic Chemistry
14/12/2018	10.00-11am	Communication skills
15/12/2018	10.00-11am	Remedial Biology/ Remedial Mathematics

Lavanya N

DEAN EXAM
Mrs. Nallaguntla
Lavanya

Dr. G. Parthasarathy

DEAN ACADEMICS
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B. PHARM RS5 SEMESTER - I SESSIONAL EXAM (Internal Assessment) - II

Date of Exam: 13/12/2018

SUBJECT CODE:	BP104T	TOTAL MARKS	30
SUBJECT NAME:	Pharmaceutical Inorganic Chemistry	EXAM HRS.	1 hour 2:00AM to 3:00 PM
COURSE OBJECTIVE: The Objective of this course is to			
<ul style="list-style-type: none"> Educate students to have sound knowledge in pharmaceutical sciences and to attain skills required in pharmacy profession. To afford students with proficiency of technical skills in various area of subjects in pharmaceutical sciences and enabling them to fulfill the requirements of Pharmaceutical Industries, Community and Hospital Pharmacy and also to pursue higher studies. To provide up to date knowledge in theory and practical and relevant training to students about the subjects of Pharmaceutical formulation & development, Pharmaceutical chemistry, Drug regulatory affairs, Pharmacology of drugs, drug analytical methods, drugs of natural origins. 			
I LONG ESSAYS (ANSWER ANY ONE) 1X10 = 10 MARKS	Marks	CO	Bloom's Taxonomy Level *
1. Define and classify antacids and give the method of preparation and assay of sodium bicarbonate.	10	CO (2)	L1
2. What are saline cathartics? Write its mechanism of action. Give the preparation of any one compound.	10	CO (2)	L2
II SHORT ESSAYS (ANSWER ANY TWO) 2X5 = 10 MARKS			
3. Write a note on iodine and its preparation	5	CO (2)	L1
OR Write a note on measurement of radioactivity		CO (1)	L1
4. Define astringent. Write the preparation of zinc sulphate	5	CO (2)	L1
III SHORT ANSWERS (ANSWER ALL) 5X2 = 10 MARKS			
5. Define emetics with example	2	CO (2)	L1
6. Chemical name, formula, use and storage condition of green vitriol	2	CO (2)	L1
7. Enumerate the equation for preparation of boric acid	2	CO (2)	L1
8. Define radioactivity	2	CO (1)	L1
9. What do you mean by decay constant?	2	CO (1)	L1
Note: Bloom's taxonomy has 6 levels which are: L1 Remembering (Knowledge), L2 Understanding (Comprehension), L3 Applying, L4 Analyzing, L5 Evaluating and L6 Creating			
COURSE OUTCOMES			
CO1	To know the sources of impurities and methods to determine the impurities in inorganic drugs and pharmaceuticals.		
CO2	Understand the medicinal and pharmaceutical importance of inorganic compounds		



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B. PHARM RS5 SEMESTER - I			
SESSIONAL EXAM (Internal Assessment) - II			
Date of Exam: 13/12/2018			
SUBJECT CODE:	BP104T	TOTAL MARKS	30
SUBJECT NAME:	Pharmaceutical Inorganic Chemistry	EXAM HRS.	1 hour 2:00AM to 3:00 PM
<p>COURSE OBJECTIVE: The Objective of this course is to</p> <ul style="list-style-type: none"> Educate students to have sound knowledge in pharmaceutical sciences and to attain skills required in pharmacy profession. To afford students with proficiency of technical skills in various area of subjects in pharmaceutical sciences and enabling them to fulfill the requirements of Pharmaceutical Industries, Community and Hospital Pharmacy and also to pursue higher studies. To provide up to date knowledge in theory and practical and relevant training to students about the subjects of Pharmaceutical formulation & development, Pharmaceutical chemistry, Drug regulatory affairs, Pharmacology of drugs, drug analytical methods, drugs of natural origins. 			
I LONG ESSAYS (ANSWER ANY ONE) 1X10 = 10 MARKS	Marks	CO	Bloom's Taxonomy Level *
1. Define and classify antacids and give the method of preparation and assay of sodium bicarbonate.	10	CO (2)	L1
2. What are saline cathartics? Write its mechanism of action. Give the preparation of any one compound.	10	CO (2)	L2
II SHORT ESSAYS (ANSWER ANY TWO) 2X5 = 10 MARKS			
3. Write a note on iodine and its preparation OR Write a note on measurement of radioactivity	5	CO (2) CO (1)	L1 L1
4. Define astringent. Write the preparation of zinc sulphate	5	CO (2)	L1
III SHORT ANSWERS (ANSWER ALL) 5X2 = 10 MARKS			
5. Define emetics with example	2	CO (2)	L1
6. Chemical name, formula, use and storage condition of green vitriol	2	CO (2)	L1
7. Enumerate the equation for preparation of boric acid	2	CO (2)	L1
8. Define radioactivity	2	CO (1)	L1
9. What do you mean by decay constant?	2	CO (1)	L1
<p># {e.g. CO (1), PO (1-3,8,11), PSO (1,2)} * (e.g.L1, L2) Note: Bloom's taxonomy has 6 levels which are: L1 Remembering (Knowledge), L2 Understanding (Comprehension), L3 Applying, L4 Analyzing, L5 Evaluating and L6 Creating</p>			
COURSE OUTCOMES			
CO1	To know the sources of impurities and methods to determine the impurities in inorganic drugs and pharmaceuticals.		
CO2	Understand the medicinal and pharmaceutical importance of inorganic compounds		



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Course: B Pharm I Semester

Student Name:

Subject: Pharmaceutical Inorganic Chemistry

Reg: No:

Staff In-charge:

S.No	TOPIC	Class Test [10]	Home Assign. [10]	Viva [10]	Signature
I SESSIONAL					
1	Impurities in Pharmaceutical substances				
2	Acid, base, buffers				
3	Major extra and intracellular electrolytes, dental products				
	Total				
	Average (allotted for Theory)	Class test [3]	Home assign [3]	Attendance [4]	Total [10]
	Average (obtained for Theory)				
	Average (allotted for Practical)	Viva [1.5]	Record [1.5]	Attendance [2]	Total [5]
	Average (obtained for Practical)				
Remarks of HOD:					
II SESSIONAL					
4	Gastrointestinal agents and Cathartics				
5	Expectorants and Haematinics				
6	Radiopharmaceuticals				
	Total				
	Average (allotted for Theory)	Class test [3]	Home assign [3]	Attendance [4]	Total [10]
	Average (obtained for Theory)				
	Average (allotted for Practical)	Viva [1.5]	Record [1.5]	Attendance [2]	Total [5]
	Average (obtained for Practical)				
Remarks of HOD:					

Sign. of Subject In-charge:

Sign. of Mentor:

Sign. of H.O.D



Children's Education Society (Regd.)
The Oxford College of Pharmacy

(Recognised by the Govt. of Karnataka, Affiliated to Rajiv Gandhi University of Health Sciences, Karnataka;
 Approved by Pharmacy Council of India, New Delhi)
Accredited by NAAC and International Accreditation Organization (IAO)

Course: B Pharm I Semester

Student Name:

Subject: Pharmaceutical Inorganic Chemistry

Reg: No: 18P1551

Staff In-charge: Abhishek M Kulkarni

S.No	TOPIC	Class Test [10]	Home Assign. [10]	Viva [10]	Signature	
I SESSIONAL						
1	Impurities in Pharmaceutical substances	9/8/18 8.5	7/9/18 9	11/9/18 8		
2	Acid, base, buffers	23/8/18 8.5	21/9/18 9			
3	Major extra and intracellular electrolytes, dental products	13/9/18 8.5	28/9/18 9			
	Total	25.5	27			
	Average (allotted for Theory)	Class test [3]	Home assign [3]	Attendance [4]		Total [10]
	Average (obtained for Theory)	2.55	2.7	4		9.25
	Average (allotted for Practical)	Viva [1.5]	Record [1.5]	Attendance [2]	Total [5]	
	Average (obtained for Practical)	1.2	1.5	1.5	4.2	

Remarks of HOD:

II SESSIONAL

4	Gastrointestinal agents and Cathartics	7/11/18 9.5	3/12/18 9	8		
5	Expectorants and Haematinics	21/11/18 8.5	10/12/18 9			
6	Radiopharmaceuticals	28/11/18 8.5	17/12/18 9			
	Total	26.5	27			
	Average (allotted for Theory)	Class test [3]	Home assign [3]	Attendance [4]		Total [10]
	Average (obtained for Theory)	2.65	2.7	4		9.35
	Average (allotted for Practical)	Viva [1.5]	Record [1.5]	Attendance [2]	Total [5]	
	Average (obtained for Practical)	1.2	1.5	1.5	4.2	

Remarks of HOD:

Sign. of Subject In-charge:

Sign. of Mentor:

Sign. of H.O.D