



Est. 2009
Code: JNTUA OI/PRISE

JNTUA OIL TECHNOLOGICAL AND PHARMACEUTICAL RESEARCH INSTITUTE
(Formerly known as Oil Technological Research Institute)
(A Constituent Unit of Jawaharlal Nehru Technological University Anantapur)
Recognized by Govt. of A.P., Approved by PCI, Govt. of India, New Delhi.
“Accredited by NAAC with A Grade”
Beside Collectorate, Ananthapuramu - 515001, A.P., India

2.6.2: CO-PO attainment, Direct method – Pharmacy

Curriculum	AY	I Year	II Year	III Year	IV Year
Autonomous	2023-24	60%	65%	75%	80%

Calculating the attainment level –Assessment of course outcome (Theory and Practical)

Option 1:

Attainment Level1:60% students scoring more than institution average percentage marks/set Attainment level in the final examination is considered to be attainment of “1”

Attainment Level2:70% students scoring more than institution average percentage marks or set Attainment level in the final examination is considered to be attainment of “2”

Attainment Level 3:80% students scoring more than institution average percentage marks or set Attainment level in the final examination is considered to be attainment of “3”

- Attainment is measured in terms of actual percentage of students getting set percentage of marks.
- If targets are achieved then all the course outcomes are attained for that year.
- Program is expected to set higher targets for the following years as a part of continuous improvement.
- If targets are not achieved the program should put in place an action plan to attain the target in subsequent years.

Option 2:

Applicable only to Theory paper only:

If the % failure is more in that particular course or the Question paper was tough or if any out of questions or overall pass or % marks less due to unknown cause, the 60% mark shall be % Set mark and the instructor shall assess the outcome both continuous assessment and end assessment individually then, sum them with appropriate weight age as per regulations (75:25) as End assessment and continuous assessment ratio.


REGISTRAR
J.N.T.U. Anantapur
ANANTAPURAMU-515002


PRINCIPAL
JNTUA Oil Technological and
Pharmaceutical Research Institute
ANANTHAPURAMU

DAIRY OF LECTURER CLASSES

IV - II (2020 Batch)

S.L.No.	Date	Period(s)	Topic Covered
1	20-12-23		measures of central tendency
2	27-12-23		parametric tests
3	3-1-24		Social and Health Education
4	10-1-24		Preventive Medicine
5	17-1-24		Pharmaceutical Market
6	24-1-24		Promotion
7	31-1-24		Introduction to ADR
8	7-2-24		Pharmacovigilance Programmes WHO
9	14-2-24		Traditional knowledge system
10	21-2-24		non-parametric tests
11	28-2-24		factorial design
12	6-3-24		National Health Programme
13	13-3-24		Community Services
14	20-3-24		DPCO & NPPA
15	27-3-24		TCH guideline, CIMS
16	3-4-24		Regen System
17	10-4-24		PHC


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Class : III
Semester : II

Branch : B. Pharmacy

ATTENDANCE

2021 Batch

2024 Year

Academic Year :
Starting :

Teacher :
Ending :

REGISTER

[illegible][illegible]

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III-II (2021- Batch)			
1	23-2-24		Structure & Synthesis of Anthracycline
2	1-3-24		Anti-leukemic drugs - MOA & SAR
3	11-3-24		Drugs acting on Respiratory system
4	15-3-24		Chemotherapy
5	22-3-24		Neurocentrals
6	28-3-24		Neural cosmetics
7	5-4-24		Factors affecting absorption
8	12-4-24		B.A. & B.C.
9	19-4-24		R-DNA Technology & applications
10	26-4-24		Immunity & Blood products
11	3-5-24		ISO 9000 & 14000, NABL
12	10-5-24		GLP, calibration and validation
13	17-5-24		Drug Design
14	24-5-24		Immunopharmacology, Chronopharmacology
15	31-5-24		Chronic drug regulatory issues - schedules
16	7-6-24		Non-linear Pharmacokinetics


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DAIRY OF LECTURER CLASSES

II-II (2022 Batch)

S.L.No.	Date	Period(s)	Topic Covered
1	12-3-24		Stereo isomerism
2	19-3-24		Geometrical isomerism
3	26-3-24		Physico chemical properties of Biological action
4	2-4-24		Drugs acting on ANS
5	16-4-24		Colloidal dispersions
6	23-4-24		Types of Rheology
7	30-4-24		Receptors, ADR
8	7-5-24		Drugs acting on ANS
9	14-5-24		Classification of drugs
10	21-5-24		Plant tissue culture
11	28-5-24		Reaction of Sympathetic Response (Unit V)
12	4-6-24		BZD, barbiturates
13	11-6-24		Drugs acting on CNS
14	18-6-24		Minumesthetics
15	25-6-24		Drugs acting on CNS
16	26-6-24		Plant products of Nerve, Drugs (Unit V)
I-II	10092	Roll-In	


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<u>I-II</u>	2023	Bal-Ch	
1	26-4-24		Nervous system
2	3-5-24		Respiratory system
3	7-6-24		classification of organic compounds, sp^3 hybrid
4	14-6-24		Markovnikov's, Ozonolysis, Saytzeff's
5	21-6-24		Glycolysis, Energy rich compounds
6	28-6-24		Krebs cycle
7	5-7-24		Numerical System
8	12-7-24		Web Technology
9	19-7-24		Natural Resources
10	26-7-24		Environmental Pollution
11	2-8-24		Nutritional deficiency disorders
12	9-8-24		Social Health Programmes
13	16-8-24		Endocrine system
14	23-8-24		Qualitative tests of alcohols, acids, esters
15	30-8-24		ENZYMES
16	2-9-24		CDS, LIMS, TIMS


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IV-I (2020 Batch)
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DAIRY OF LECTURER CLASSES

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III-I (2021 Batch) DAIRY O

DAIRY OF LECTURER CLASSES

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Class (B. pharmacy) I Year ATTENDANCE
Semester: II-I Branch: B. pharmacy

Academic Year : : Teacher :
Starting : 23/10/23 Ending :

[illegible]

2024 yr REGISTER

[illegible]

[Signature]
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II-I (2022 Batch)
DAIRY OF LECTURER CLASSES

S.L.No.	Date	Period(s)	Topic Covered
1	2-11-23		Benzene and its derivatives
2	9-11-23		phenols
3	16-11-23		Solubility of Drugs
4	23-11-23		η , E , pK_a , μ
5	30-11-23		Prokaryotes, Eukaryotes
6	7-12-23		staining techniques
7	14-12-23		bernoulli's theorem
8	21-12-23		Fourier's law
9	28-12-23		Analytical constants
10	4-1-24		Alkanes
11	11-1-24		Surface Tension Determination
12	18-1-24		Buffers
13	25-1-24		Disinfectants
14	1-2-24		Universal human ethics.
15	8-2-24		Filtration & Centrifugation
16	9-2-24		Ethical values in profession


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<u>I-I</u>	(2023 Batch)	
1	12-12-23	Terminology in Anatomy
2	19-12-23	Circulatory system
3	27-12-23	Terms in Analysis
4	2-1-24	Non-Aqueous titrations
5	9-1-24	Pharmacopoeias
6	16-1-24	Prescription, powders
7	23-1-24	Limit tests
8	30-1-24	Dental Products
9	6-2-24	Verbal Communication
10	13-2-24	Non Verbal communication
11	20-2-24	Problems in matrices
12	27-2-24	Problems in calculus
13	5-3-24	Sensory system
14	12-3-24	Redox titrations
15	19-3-24	Pharmaceutical incompatibilities
16	26-3-24	Radio Pharmaceuticals


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II-I B-PHARMACY(2022 BATCH)TIMETABLE(W.E.F.31-10-2023)

DAY/ TIME	9.30 AM- 10.20 AM	10.20 AM-1.00 PM			1.00 PM- 2.00 PM	2.00 PM- 2.50 PM	2.50 PM - 3.40 PM	3.40 PM - 4.30 PM
MON	PMB	PE LAB(BATCH-I)/ POC-II LAB (BATCH-II)			LUNCH BREAK	PP-I	POC-II	PE
TUE	PMB	PE LAB(BATCH-II)/ POC-II LAB(BATCH-I)				PP-I	PE	POC-II
WED	PE	LIBRARY	PMB	SEMINAR		POC-II	UHV	PP-I
THU	PE	CSL	LIBRARY	SEMINAR		POC-II	PP-I	UHV
FRI	PMB	PP-I LAB(BATCH-I)/ PMB LAB (BATCH-II)				SEMINARS/ASSIGNMENTS		
SAT	UHV	PP-I LAB(BATCH-II)/ PMB LAB (BATCH-I)				SEMINARS/ASSIGNMENTS		

***CSL – CLASS FOR SLOW LEARNERS

S.NO	COURSE CODE(T)	COURSE CODE(L)	SUBJECT	FACULTY
1	BP301T	BP305P	PHARMACEUTICAL ORGANIC CHEMISTRY- II (T & L)	S.LAHARI
2	BP302T	BP306P	PHYSICAL PHARMACEUTICS-I(T & L)	Dr.S.B.THIRUMAGESH NAIK
3	BP303T	BP307P	PHARMACEUTICAL MICROBIOLOGY(T & L)	N.YAMINI/A.MOUNIKA
4	BP304T	BP308P	PHARMACEUTICAL ENGINEERING(T & L)	K.E.SAILAJA/ CH.SREENIVASA KUMARI
5	BP310MC	-	UNIVERSAL HUMAN VALUES	Dr.C.GOPINATH

CLASS INCHARGE

ACADEMIC INCHARGES

PRINCIPAL

1. G. Netha Vani
2. O.S. brishu
3. R. K. Gyotaj

REGISTRAR
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ANANTAPURAMU-515002



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I-I B-PHARMACY(2023 BATCH)TIMETABLE(W.E.F.7-12-2023)

DAY/ TIME	9.30 AM- 10.20 AM	10.20 AM- 11.10 AM	11.10 AM- 11.20 AM	11.20 AM- 12.10 PM	12.10 PM- 1.00 PM	1.00 PM- 2.00 PM	2.00 PM-4.30 PM
MON	PIC	PA	BREAK	HAP-I	RM	LUNCH BREAK	HAP-I LAB(BATCH-I)/ CSK LAB(BATCH-II)
TUE	PIC	PA		PC-I	CSL		HAP-I LAB(BATCH-II)/ CSK LAB(BATCH-I)
WED	HAP-I	PA		PIC	SEMINAR		PC-I LAB(BATCH-I)
THU	HAP-I	LIBRARY		CSK	CSK		PC-I LAB(BATCH-II)
FRI	PA	PC-I		RM	RM		PA LAB(BATCH-I)/ PIC LAB(BATCH-II)
SAT	PC-I	LIBRARY		HAP-I	SEMINAR		PA LAB(BATCH-II)/ PIC LAB(BATCH-I)

***CSL – CLASS FOR SLOW LEARNERS

S.NO	COURSE CODE(T)	COURSE CODE(L)	SUBJECT	FACULTY
1	23BP101T	23BP101P	HUMAN ANATOMY AND PHYSIOLOGY-I (T & L)	O.S.KRISHNA(T)/A.MOUNIKA <i>[Signature]</i>
2	23BP102T	23BP102P	PHARMACEUTICAL ANALYSIS(T & L)	R.KIRAN JYOTHIN, MAHESH <i>[Signature]</i>
3	23BP103T	23BP103P	PHARMACEUTICS-I(T & L)	G.NETHRA VANI/K.E.SANJANA <i>[Signature]</i>
4	23BP104T	23BP104P	PHARMACEUTICAL INORGANIC CHEMISTRY(T & L)	CH.SREENIVASA KUMARI/ V.PHANI DEEPTHI <i>[Signature]</i>
5	23BP105T	23BP105P	COMMUNICATION SKILLS(T & L)	Dr.C.GOPINATH <i>[Signature]</i>
6	23BP106RMT	-	REMEDIAL MATHEMATICS	GUEST FACULTY

CLASS INCHARGE

A. mounika

ACADEMIC INCHARGES

1. G. Nethra Vani

2. O.S. bharathi

3. R.K. Jyothi

PRINCIPAL

[Signature]
REGISTRAR
J.N.T.U. Anantapur
ANANTAPURAMU-515002



EST. 2009
Code: INTUVAOIPRIS

INTUVA - OIL TECHNOLOGICAL AND PHARMACEUTICAL RESEARCH INSTITUTE
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IV-I B-PHARMACY(2020 BATCH)TIMETABLE(W.E.F.01-08-2023)

Day/ Time	9.30 am- 10.20 am	10.20am- 11.10 am	11:10am- 11:20am	11:20am- 12:10pm	12:10pm- 1.00pm	1.00pm- 2.00pm	2.00pm- 4.30 pm
Mon	PP	NDDS	BREAK	CSL	SEMINAR	LUNCH BREAK	IMA LAB(BATCH-I)
Tue	PP	NDDS		SEMINAR	LIBRARY		IMA LAB(BATCH-II)
Wed	PP	NDDS		IMA	COI		PRACTICE SCHOOL
Thu	IP-II	PP		IMA	COI		PRACTICE SCHOOL
Fri	IMA	IP-II		NDDS	IP-II		PRACTICE SCHOOL
Sat	IMA	IP-II		LIBRARY	SEMINAR		PRACTICE SCHOOL

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S.NO	COURSE CODE(T)	COURSE CODE(L)	SUBJECT	FACULTY
1	BP701T	BP705P	INSTRUMENTAL METHODS OF ANALYSIS(T & L)(IMA)	M.MAHESH / Dr.C.GOPINATH R.KIRAN JYOTHI
2	BP702T		INDUSTRIAL PHARMACY-II(T)(IP-II)	CH.SREENIVASA KUMARI/ K.E.SAILAJA
3	BP703T		PHARMACY PRACTICE(T)(PP)	K.VEENA A.MOUNIKA
4	BP704T		NOVEL DRUG DELIVERY SYSTEM(NDDS)	Dr.S.B.THIRUMALESH NAIK/G.NETHRA VANI
5	BP706PS		PRACTICE SCHOOL	MENTORS
6	BP707MC		CONSTITUTION OF INDIA(COI)	Dr.C.GOPINATH

Saily
ASSISTANT IN CHARGE

ACADEMIC IN CHARGES

1. G. Nethra Vani
2. G. S. Sathya
3. R. K. Jyothi

PRINCIPAL

Qmdu
REGISTRAR
J.N.T.U. Anantapur
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III-I B-PHARMACY(2021 BATCH)TIMETABLE(W.E.F.3-10-2023)

DAY/ TIME	9.30 AM- 10.20 AM	10.20 AM- 11.10 AM	11.10 AM- 11.20 AM	11.20 AM- 12.10 PM	12.10 PM- 1.00 PM	1.00 PM- 2.00 PM	2.00 PM-4.30 PM
MON	PJ	P.COL-II	BREAK	IP-I	CSL	LUNCH BREAK	IP-I LAB(BATCH-I)/P.COL-II LAB(BATCH-II)
TUE	IP-I	P.COL-II		SEMINAR	PJ		IP-I LAB(BATCH-II)/P.COL-II LAB(BATCH-I)
WED	MC-II	LIBRARY		P&P-II	PJ		P&P-II LAB(BATCH-I)
THU	MC-II	IP-I		P&P-II	PJ		P&P-II LAB(BATCH-II)
FRI	P.COL-II	MC-II		P&P-II	IP-I		SEMINARS AND ASSIGNMENTS
SAT	MC-II	SEMINAR		P&P-II	P.COL-II		SEMINARS AND ASSIGNMENTS

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S.NO	COURSE CODE(T)	COURSE CODE(L)	SUBJECT	FACULTY
1	BP501T	-	MEDICINAL CHEMISTRY II(T)	S.LAHARI <i>Shale</i>
2	BP502T	BP506P	INDUSTRIAL PHARMACY I(T & L)	G.NETHRA VANIPHANI DEEPTHI <i>GD</i>
3	BP503T	BP507P	PHARMACOLOGY II(T & L)	O.SREENIVASA KRISHNA/ N.YAMINI <i>Q</i> <i>CS</i>
4	BP504T	BP508P	PHARMACOGNOSY AND PHYTOCHEMISTRY II(T & L)	B.NAGENDRA BABU <i>B.N.</i>
5	BP505T		PHARMACEUTICAL JURISPRUDENCE	V.PHANI DEEPTHI <i>V. Phani Deepthi</i> A.RAJESH PAVAN <i>A. Rajesh Pavan</i>

G. Nethra Vani
CLASS INCHARGE

ACADEMIC INCHARGES

- G. Nethra Vani*
- O.S. Krishna*
- R. K. Tyagi*

PRINCIPAL

Qmdu
REGISTRAR
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II-II B-PHARMACY(2022 BATCH)/TIMETABLE(W.E.F.11-03-2024)

DAY/ TIME	9.30 AM- 10.20 AM	10.20 AM-1.00 PM			1.00 PM- 2.00 PM	2.00 PM- 2.50 PM	2.50 PM- 3.40 PM	3.40 PM- 4.30 PM
MON	MC-I	MC-I LAB(BATCH-I)/PP-II LAB(BATCH-II)			LUNCH BREAK	P.COL-I	PP-II	SEMINAR
TUE	MC-I	MC-I LAB(BATCH-II)/PP-II LAB(BATCH-I)				P.COL-I	PP-II	CSL
WED	MC-I	P & P-I LAB(BATCH-I)/P.COL-I LAB (BATCH-II)				POC-III	P.COL-I	SEMINAR
THU	MC-I	P & P-I LAB(BATCH-II)/P.COL-I LAB (BATCH-I)				POC-III	P&P-II	P&P-II
FRI	PP-II	LIBRARY	P&P-II	P&P-II		POC-III	P.COL-I	LIBRARY
SAT	POC-III	PP-II	SEMINAR	LIBRARY		SEMINARS/ASSIGNMENTS		

***CSL – CLASS FOR SLOW LEARNERS

S.NO	COURSE CODE(T)	COURSE CODE(L)	SUBJECT	FACULTY
1	BP401T	-	PHARMACEUTICAL ORGANIC CHEMISTRY -III (T)	L.PRANATHI/S.LAHARI <i>Shale L. Pranathi</i>
2	BP402T	BP406P	MEDICINAL CHEMISTRY-I(T & L)	L.PRANATHI <i>L. Pranathi</i>
3	BP403T	BP407P	PHYSICAL PHARMACEUTICS-II(T & L)	V.PHANI DEEPTHI/ Dr.S.B.THIRUMALES NAIK <i>V. Phani Deepthi</i>
4	BP404T	BP408P	PHARMACOLOGY-I(T&L)	N.YAMINI/A.MOUNIKA <i>N. Yamini</i>
5	BP405T	BP409P	PHARMACOGNOSY & PHYTOCHEMISTRY-I (T & L)	Dr.C.GOPINATH/V.PHANI DEEPTHI/VEENA <i>Dr. C. Gopinath</i>

L. Pranathi
CLASS INCHARGE

ACADEMIC INCHARGES

PRINCIPAL

- A. Nethe Vani*
- C. S. Kiran*
- R. K. Raju*

Q. M. D.
REGISTRAR
J.N.T.U. Anantapur
ANANTAPURAMU-515002



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I-II B-PHARMACY(2023 BATCH)TIMETABLE(W.E.F.23-04-2024)

DAY/ TIME	9.30 AM- 10.20 AM	10.20 AM- 11.10 AM	11.10 AM- 11.20 AM	11.20 AM- 12.10 PM	12.10 PM- 1.00 PM	1.00 PM- 2.00 PM	2.00 PM-4.30 PM
MON	CAP	POC-I	BREAK	HAP-II	S&PP	LUNCH BREAK	HAP-II LAB(BATCH-I)/ CAP LAB(BATCH-II)
TUE	CAP	POC-I		HAP-II	BIOCHEM		HAP-II LAB(BATCH-II)/ CAP LAB(BATCH-I)
WED	CAP	POC-I		BIOCHEM	LIBRARY		SEMINARS/ASSIGNMENTS
THU	HAP-II	S&PP		S&PP	SEMINAR		SEMINARS/ASSIGNMENTS
FRI	POC-I	EVS		BIOCHEM	CSL		POC-I LAB(BATCH-I)/ BIOCHEM LAB(BATCH-II)
SAT	HAP-II	EVS		BIOCHEM	SEMINAR		POC-I LAB(BATCH-II)/ BIOCHEM LAB(BATCH-I)

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S.NO	COURSE CODE(T)	COURSE CODE(L)	SUBJECT	FACULTY
1	23BP201T	23BP201P	HUMAN ANATOMY AND PHYSIOLOGY-II (T & L)	A.RAJESH PAVAN/N.YAMINI/ A.MOUNIKA
2	23BP202T	23BP202P	PHARMACEUTICAL ORGANIC CHEMISTRY-I (T & L)	R.KIRAN JYOTHI/G.NETHRA VANI
3	23BP203T	23BP203P	BIOCHEMISTRY(T & L)	MAHESH/CH.SREENIVASA KUMARI
4	23BP204T	23BP204P	COMPUTER APPLICATIONS IN PHARMACY(T & L)	CH.SREENIVASA KUMARI/ K.E.SAILAJA
5	23BP205T	-	ENVIRONMENTAL SCIENCES(T)	A.RAJESH PAVAN/MAHESH/ V.PHANI DEEPTHI
6	23BP206T	-	SOCIAL AND PREVENTIVE PHARMACY	Dr.C.GOPINATH/ O.SREENIVASA KRISHNA

CLASS INCHARGE

A. Mounika

ACADEMIC INCHARGES

- G. Nethra Vani
- C. Krishna
- R.K. Jyothi

PRINCIPAL

REGISTRAR
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"Accredited by NAAC with A Grade"
Beside Collectorate, Ananthapuramu - 515001, Anantapur District, A.P., India

IV-II B-PHARMACY(2020 BATCH)TIMETABLE(W.E.F. 18-12-2023)

DAY/ TIME	9.30 AM- 10.20 AM	10.20 AM- 11.10 AM	11.10 AM- 11.20 AM	11.20 AM- 12.10 PM	12.10 PM- 1.00 PM	1.00 PM- 2.00 PM	2.00 PM-4.30 PM
MON	S&PP	PMM	BREAK	B&RM	PW	LUNCH BREAK	PROJECT WORK
TUE	PV	PMM		B&RM	S&PP		PROJECT WORK
WED	B&RM	PV		S&PP	CSL		PROJECT WORK
THU	B&RM	PMM		PV	PW		PROJECT WORK
FRI	S&PP	PMM		PW	PW		PROJECT WORK
SAT	PV	EOITK		EOITK	PW		PROJECT WORK

***CSL – CLASS FOR SLOW LEARNERS

S.NO	COURSE CODE(T)	SUBJECT	FACULTY
1	BP801T	BIOSTATISTICS AND RESEARCH METHODOLOGY	A.RAJESH PAVAN/ B.NAGENDRA BABU
2	BP802T	SOCIAL AND PREVENTIVE PHARMACY	G.NETHRA VANI/ O.S.KRISHNA(CLASS INCHARGE)
3	BP803ET	PHARMA MARKETING MANAGEMENT	M.MADHU
4	BP805ET	PHARMACOVIGILANCE	Dr.J.SRAVANI
5	BP814MC	ESSENCE OF INDIA TRADITIONAL KNOWLEDGE	Dr.C.GOPINATH

G. Nethra Vani
CLASS INCHARGE

ACADEMIC INCHARGES

PRINCIPAL

- G. Nethra Vani*
- O.S. Krishna*
- R.K. Syota*

R.K. Syota
REGISTRAR
J.N.T.U. Anantapur
ANANTAPURAMU-515002



Est. 2009
Code: JNTUA OGPRI

JNTUA - OIL TECHNOLOGICAL AND PHARMACEUTICAL RESEARCH INSTITUTE
(Formerly known as Oil Technological Research Institute)
(A Constituent Unit of Jawaharlal Nehru Technological University Anantapur)
Recognized by Govt. of A.P., Approved by PCI, Govt. of India, New Delhi.
"Accredited by NAAC with A Grade"
Beside Collectorate, Ananthapuramu - 515001, Anantapur District. A.P., India

III-II B-PHARMACY(2021 BATCH)TIMETABLE(W.E.F. 19-02-2024)

DAY/ TIME	9.30 AM- 10.20 AM	10.20 AM- 11.10 AM	11.10 AM- 11.20 AM	11.20 AM- 12.10 PM	12.10 PM- 1.00 PM	1.00 PM- 2.00 PM	2.00 PM-4.30 PM
MON	HDT	P.COL-III	BREAK	MC-III	BPPK	LUNCH BREAK	P.COL-II LAB(BATCH-I)
TUE	MC-III	P.COL-III		HDT	QA		P.COL-II LAB(BATCH-II)
WED	PBT	P.COL-III		HDT	QA		MC-III LAB(BATCH-I)/ HDT LAB(BATCH-II)
THU	BPPK	P.COL-III		HDT	PBT		MC-III LAB(BATCH-II)/ HDT LAB(BATCH-I)
FRI	QA	MC-III		PBT	BPPK		CSL
SAT	BPPK	MC-III		PBT	QA		SEMINARS AND ASSIGNMENTS

***CSL – CLASS FOR SLOW LEARNERS

S.NO	COURSE CODE(T)	COURSE CODE(L)	SUBJECT	FACULTY
1	BP601T	BP607P	MEDICINAL CHEMISTRY III(T & L)	S.LAHARI <i>Shale</i>
2	BP602T	BP608P	PHARMACOLOGY III(T & L)	O.SREENIVASA KRISHNA <i>Os</i>
3	BP603T	BP609P	HERBAL DRUG TECHNOLOGY(T & L)	B.NAGENDRA BABU <i>Bru</i>
4	BP604T	-	BIOPHARMACEUTICS AND PHARMACOKINETICS(T)	K.E.SAILAJA <i>Saila</i> Dr.S.B.THIRUMALES NAIK
5	BP605T	-	PHARMACEUTICAL BIOTECHNOLOGY(T)	N.YAMINI <i>Qi</i>
6	BP606T	-	QUALITY ASSURANCE(T)	G.NETHRA VANI/ <i>G</i> CH.SREENIVASA KUMARI

O. S. Krishna
CLASS INCHARGE

ACADEMIC INCHARGES

PRINCIPAL

1. *G. Nethra Vani*

2. *O. S. Krishna*

3. *R. K. Pyotey*

Amr
REGISTRAR
J.N.T.U. Anantapur
ANANTAPURAMU-515002

The courses are categorised into three groups based on the average marks of the respective Pre-requisite courses.

The categories of the courses along with their threshold marks are:

Type of the course	Threshold marks for attainment
Hard Course	40 Marks
Moderate Course	60 Marks
Easy	70 Marks

The course attainment is measured with three (3) levels with the following methodology:

Level	Attainment Methodology
Level 1	50% of Students scored more than threshold marks in the respective course
Level 2	60% of Students scored more than threshold marks in the respective course
Level 3	70% of Students scored more than threshold marks in the respective course

MODERATE COURSE

Regulation: R20

Academic

Year: 2022-23 III B.Tech - II SEM

Course Code: 20A60201

Course Name: POWER SYSTEM ANALYSIS

S.No.	Admission Number	Descriptive Exams Assessment																								Assignment								Quiz (10M)	
		Mid-1								Mid-2																Assig-1				Assig-2					
		Q1a (2.5M)	Q1b (2.5M)	Q2 (5M)	Q3a (2.5M)	Q3b (2.5M)	Q4 (5M)	Q5 (5M)	Q6 (5M)	Q1a (4M)	Q1b (1M)	Q2 (1M)	Q2b (4M)	Q3a (1M)	Q3b (1.5M)	Q3c (1.5M)	Q3d (1M)	Q4a (2.5M)	Q4b (2.5M)	Q5a (1.5M)	Q5b (2M)	Q5c (1.5M)	Q6a (1.5M)	Q6b (2M)	Q6c (1.5M)	(2M)	(1M)	(1M)	(1M)	(1M)	(1M)	(1M)	(1M)		(1M)
		CO1	CO1	CO2	CO3	CO3	CO2	CO3	CO4	CO1	CO1	CO1	CO2	CO2	CO3	CO2	CO2	CO1	CO1	CO3	CO3	CO4	CO2	CO4	CO4	CO1	CO1	CO2	CO3	CO2	CO3	CO3	CO4		CO4
1	20001A0201			4.5			4.5	5				1	3.5	1	1.5	1.5	1			1.5	2	1.5				2	1	1	1	1	1	1	1	1	6.2
2	20001A0202	2.5	1.5	4			1.5					1	3.5		1.5	1.5	1				2	1.5				2	1	1	1	1	1	1	1	1	7.0
3	20001A0203			4.5			4.5	5		4	1			1	1	1.5	1			1.5	2	1.5				2	1	1	1	1	1	1	1	1	6.0
4	20001A0204			4.5			4.5	4.5				1	4	1	1	1.5	0.5			1.5	2	1.5				2	1	1	1	1	1	1	1	1	6.0
5	20001A0205			5	1.5	2.5		5				1	3				2.5	2.5	1.5	1.5	1.5				2	1	1	1	1	1	1	1	1	1	6.0
6	20001A0207			5			4.5	5				1	3.5	1	1.5	1.5	1						1.5	2	1.5	2	1	1	1	1	1	1	1	1	7.3
7	20001A0208	0.5			1.5	2.5		4.5				1	4				2	2	1.5	2	1				2	1	1	1	1	1	1	1	1	1	5.4
8	20001A0209	2	2				4	3		3	1			1	1	1	1			1.5	1.5	1.5				2	1	1	1	1	1	1	1	1	6.0
9	20001A0210			4.5			4.5		4.5	3.5							2	2	1.5	1.5	1.5				2	1	1	1	1	1	1	1	1	1	7.5
10	20001A0211			5			4		4.5			1	4				2.5	2.5	1.5	2	1.5				2	1	1	1	1	1	1	1	1	1	6.0
11	20001A0212			4.5			4.5	1.5			0.5						2.5	1.5	1.5	2	1.5				2	1	1	1	1	1	1	1	1	1	6.5
12	20001A0213			4.5	1.5	2.5			4.5			1	3.5	1	1	1	1						1.5	1.5	1.5	2	1	1	1	1	1	1	1	1	7.5
13	20001A0214	2.5	1.5		2	2.5			5			1	4				2.5	2.5	1.5	2	1.5				2	1	1	1	1	1	1	1	1	1	5.5
14	20001A0215			4.5			4.5		5	4	1						2	2	1.5	2	1.5				2	1	1	1	1	1	1	1	1	1	5.8
15	20001A0216			5		2.5				1							2	2						1	2	1	1	1	1	1	1	1	1	1	6.0
16	20001A0218	3	1			2.5		3			1						2	2	1.5	1.5			1		2	1	1	1	1	1	1	1	1	1	6.0
17	20001A0219			3	2	2.5			5	4	1			1	0.5	1.5	1			1.5	2	1.5				2	1	1	1	1	1	1	1	1	5.5
18	20001A0220			4.5			4.5	5		4	1						2.5	2.5	1.5	2	1.5				2	1	1	1	1	1	1	1	1	1	7.4
19	20001A0221			4.5			1.5	5				1	3	1	1	1.5	1			1.5	2	1.5				2	1	1	1	1	1	1	1	1	5.8
20	20001A0222			4	1.5	2				4	1						2	2.5				1.5	1.5	1		2	1	1	1	1	1	1	1	1	6.5
21	20001A0224	1.5	1			3	3.5					0.5	4	1	1.5	1.85	0.5			1.5	2					2	1	1	1	1	1	1	1	1	5.8
22	20001A0225			4			4	3.5				1	3.5	1	1	1.5	0.5			1.5	1.5	1.5				2	1	1	1	1	1	1	1	1	4.8
23	20001A0226	2.5	1				3	4				1	3				2	1	0.5		1.5				2	1	1	1	1	1	1	1	1	1	5.3
24	20001A0227			4.5			2.5		2.5		5		3.5				2	2	1.5	2	1.5				2	1	1	1	1	1	1	1	1	1	6.5
25	20001A0228	2	2		2.5	2		5				1	4				2.5	2.5				1.5	1.5	1.5		2	1	1	1	1	1	1	1	1	4.5
26	20001A0229	2.5	2.5			1.5		3			0.5						2.5	2.5				1.5	1.5	1		2	1	1	1	1	1	1	1	1	6.0
27	20001A0230			4		2.5		5				1	4				1.5	2	1.5	2	1				2	1	1	1	1	1	1	1	1	1	5.8
28	20001A0232			4.5	1.5	1.5		5				1	4				2.5	2.5	1	1	1.5				2	1	1	1	1	1	1	1	1	1	6.8
29	20001A0233	2.5	2.5			2.5	2.5		5			1	4				2.5	2.5	1.5	2	1.5				2	1	1	1	1	1	1	1	1	1	5.8
30	20001A0234	0.5			2.5	2		3.5				1					2.5	2	1.5	2	1				2	1	1	1	1	1	1	1	1	1	7.3
31	20001A0235	2.5					0.5					0.5	1.5	1		0.5						1	1.5	1		2	1	1	1	1	1	1	1	1	5.8
32	20001A0236			4			3.5		4.5			1	4	1.5	1.5	1.5	1					1.5	2	1.5		2	1	1	1	1	1	1	1	1	5.5
33	20001A0237		1.5		1.5	2.5		5		3.5	1			1	1	1.5	0.5					0.5	1	1.5		2	1	1	1	1	1	1	1	1	4.9
34	20001A0238			4.5			4	2.5				1	3.5	1	1.5	1.5	1				1.5	1.5				2	1	1	1	1	1	1	1	1	7.8
35	20001A0239			4.5			4		4.5			1	4				2	2.5	1	1.5	1.5				2	1	1	1	1	1	1	1	1	1	7.3
36	20001A0240			4.5		2.5		4.5		4	0.5						2.5	2.5				1.5	2	1.5		2	1	1	1	1	1	1	1	1	7.3
37	20001A0241			4.5	1.5	2.5				3	0.5						2.5	0.5				1	1	1		2	1	1	1	1	1	1	1	1	6.8
38	20001A0242			1.5	1.5	2.5						1	4				2	1.5	1.5		1.5				2	1	1	1	1	1	1	1	1	1	6.3
39	20001A0243			4.5			4		3			0.5	4				2.5	2.5	1.5	2	1.5				2	1	1	1	1	1	1	1	1	1	6.0
40	20001A0244	2	1		1.5	2		4			1						2	2.5				1.5	2	1.5		2	1	1	1	1	1	1	1	1	5.3
41	20001A0245	2.5					3.5	4				1	3.5				2.5	2.5	1.5	1.5	1.5				2	1	1	1	1	1	1	1	1	1	7.5
42	20001A0246	2.5	1.5		2	2.5		4				1	4				2.5	2.5				1.5	2	1.5		2	1	1	1	1	1	1	1	1	7.3
43	20001A0247			4.5			4.5		4.5			1	4				2.5	2.5				1.5	2	1.5		2	1	1	1	1	1	1	1	1	7.0
44	20001A0248			4.5		2.5			5			0.5	4				2.5	2.5	1.5	2	1.5				2	1	1	1	1	1	1	1	1	1	7.5
45	20001A0249			4.5	1	2.5			5			0.5	3.5				2.5	2.5				1.5	1.5	1		2	1	1	1	1	1	1	1	1	6.5
46	20001A0250		0.5		1.5	2.5		5				1	4	1	1.5	1.5	1					1.5	1.5	1.5		2	1	1	1	1	1	1	1	1	6.8
47	20001A0251			0.5	2	2		4.5				0.5	3.5				2.5	2.5	1.5	2	1.5				2	1	1								

53	20001A0258	2			1.5	2.5			5			0.5	4					2.5	2.5	1.5	2	1.5					2	1	1	1	1	1	1	1	1	6.3	
54	20001A0259	2			2	2.5			5	4	1			1	1	1	1		2.5	2.5			1	1.5	1	1.5		2	1	1	1	1	1	1	1	1	6.4
55	20001A0260			4				3					1	4					2.5	2.5				1.5	1.5	1.5		2	1	1	1	1	1	1	1	1	6.5
56	20001A0261	2	1		2.5	2		4.5					1	3	1	1.5	1.5	1			1	1	1.5				2	1	1	1	1	1	1	1	1	6.8	
57	20001A0262	2.5	1.5				3	5						3				2.5	2.5				1		1		2	1	1	1	1	1	1	1	1	6.3	
58	20001A0263			3	1	2			3	2.5					0.5	0.5	1	1			0.5	0.5					2	1	1	1	1	1	1	1	1	5.5	
59	20001A0264	2.5	2		2.5	2.5			5				1	4			2.5	2.5	1.5	2	1.5					2	1	1	1	1	1	1	1	1	9.3		
60	20001A0265	1	1		2	2		3.5				0.5	4					1.5	2				1.5	2	1		2	1	1	1	1	1	1	1	1	5.5	
61	20001A0266			4.5	2.5	2.5		4.5					1	4				2.5	2	1.5	2	1.5				2	1	1	1	1	1	1	1	1	6.8		
62	19001A0242						3.5	4.5					1	1	1	0.5	1	0.5					1	1	0.5		2	1	1	1	1	1	1	1	1	5.3	
63	21005A0201			4.5		2.5			5				1	4	1	1.5	1.5	1					1.5	2	1.5		2	1	1	1	1	1	1	1	1	8.3	
64	21005A0202			4.5	2	2.5			1.5	3.5	1							2.5	2	1	1.5	1				2	1	1	1	1	1	1	1	1	7.8		
65	21005A0203			3.5	0.5	2.5		4.5					1	3.5	1	1	0.5	1					0.5	1.5	0.5		2	1	1	1	1	1	1	1	1	7.3	
66	21005A0204			4	2	2.5		5					1	4	1	1.5	1.5	1					1.5		1.5		2	1	1	1	1	1	1	1	1	6.3	
67	21005A0205			4.5			4		5				1	4				2.5	2.5				1	2	1.5		2	1	1	1	1	1	1	1	1	6.3	
68	21005A0206				1.5	2.5		4.5					1	4				2.5	2	1	1.5	1				2	1	1	1	1	1	1	1	1	6.5		
69	21005A0207	2.5	1.5				3.5	3.5			3	0.5						2.5	2	0.5	1.5					2	1	1	1	1	1	1	1	1	6.0		
	Total No.of Students	22	18	43	33	40	29	39	23	16	16	48	49	24	24	25	26	43	43	39	38	36	26	23	28	69	69	69	69	69	69	69	69	69	69		
	No.of Students scored more than threshold (70%) marks	18	5	39	16	38	22	33	19	15	11	39	46	23	21	24	20	40	39	36	35	36	24	20	26	69	69	69	69	69	69	69	69	69	41		
	% of students scored more than threshold marks	82	28	91	48	95	76	85	83	94	69	81	94	96	88	96	77	93	91	92	92	100	92	87	93	100	100	100	100	100	100	100	100	100	59		
	Attainment level 3 for >70%, 2 for > 60%, 1 for >50%, 0 for <50%	3	0	3	0	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	1		

Final CO Average Attainment for Descriptive & Assignments	CO1	CO2	CO3	CO4
	2.55	3.00	2.66	3.00

Regulation: R20
Academic Year: 2022-23 III B.Tech - II SEM
Course Code: 20A60201
Course Name: POWER SYSTEM ANALYSIS

Admission Number	End Exam (70M)	CO wise distribution of End Exam Marks			
		CO1	CO2	CO3	CO4
		(14M)	(14M)	(14M)	(14M)
20001A0201	57	14.25	14.25	14.25	14.25
20001A0202	52	13	13	13	13
20001A0203	47	11.75	11.75	11.75	11.75
20001A0204	50	12.5	12.5	12.5	12.5
20001A0205	49	12.25	12.25	12.25	12.25
20001A0207	52	13	13	13	13
20001A0208	46	11.5	11.5	11.5	11.5
20001A0209	44	11	11	11	11
20001A0210	52	13	13	13	13
20001A0211	52	13	13	13	13
20001A0212	53	13.25	13.25	13.25	13.25
20001A0213	57	14.25	14.25	14.25	14.25
20001A0214	50	12.5	12.5	12.5	12.5
20001A0215	57	14.25	14.25	14.25	14.25
20001A0216	34	8.5	8.5	8.5	8.5
20001A0218	54	13.5	13.5	13.5	13.5
20001A0219	52	13	13	13	13
20001A0220	50	12.5	12.5	12.5	12.5
20001A0221	39	9.75	9.75	9.75	9.75
20001A0222	43	10.75	10.75	10.75	10.75
20001A0224	41	10.25	10.25	10.25	10.25
20001A0225	56	14	14	14	14
20001A0226	44	11	11	11	11
20001A0227	56	14	14	14	14
20001A0228	46	11.5	11.5	11.5	11.5
20001A0229	50	12.5	12.5	12.5	12.5
20001A0230	26	6.5	6.5	6.5	6.5
20001A0232	47	11.75	11.75	11.75	11.75
20001A0233	50	12.5	12.5	12.5	12.5
20001A0234	38	9.5	9.5	9.5	9.5
20001A0235	40	10	10	10	10
20001A0236	50	12.5	12.5	12.5	12.5
20001A0237	41	10.25	10.25	10.25	10.25
20001A0238	51	12.75	12.75	12.75	12.75
20001A0239	49	12.25	12.25	12.25	12.25
20001A0240	53	13.25	13.25	13.25	13.25
20001A0241	49	12.25	12.25	12.25	12.25
20001A0242	45	11.25	11.25	11.25	11.25
20001A0243	45	11.25	11.25	11.25	11.25
20001A0244	41	10.25	10.25	10.25	10.25

20001A0245	41	10.25	10.25	10.25	10.25
20001A0246	49	12.25	12.25	12.25	12.25
20001A0247	60	15	15	15	15
20001A0248	43	10.75	10.75	10.75	10.75
20001A0249	54	13.5	13.5	13.5	13.5
20001A0250	49	12.25	12.25	12.25	12.25
20001A0251	43	10.75	10.75	10.75	10.75
20001A0252	37	9.25	9.25	9.25	9.25
20001A0253	25	6.25	6.25	6.25	6.25
20001A0254	49	12.25	12.25	12.25	12.25
20001A0256	42	10.5	10.5	10.5	10.5
20001A0257	43	10.75	10.75	10.75	10.75
20001A0258	43	10.75	10.75	10.75	10.75
20001A0259	50	12.5	12.5	12.5	12.5
20001A0260	43	10.75	10.75	10.75	10.75
20001A0261	44	11	11	11	11
20001A0262	42	10.5	10.5	10.5	10.5
20001A0263	37	9.25	9.25	9.25	9.25
20001A0264	52	13	13	13	13
20001A0265	34	8.5	8.5	8.5	8.5
20001A0266	55	13.75	13.75	13.75	13.75
19001A0242	27	6.75	6.75	6.75	6.75
21005A0201	41	10.25	10.25	10.25	10.25
21005A0202	38	9.5	9.5	9.5	9.5
21005A0203	30	7.5	7.5	7.5	7.5
21005A0204	50	12.5	12.5	12.5	12.5
21005A0205	48	12	12	12	12
21005A0206	55	13.75	13.75	13.75	13.75
21005A0207	38	9.5	9.5	9.5	9.5
		69	69	69	69
No.of Students scored more than threshold (70%) marks		65	65	65	65
% of students scored more than threshold marks		94.20	94.20	94.20	94.20
Attainment level 3 if % students>70%, 2 if % students >60, 1 if % students>50, 0 for others		3	3	3	3

Final CO Average Attainment for Descriptive & Assignments	CO1	CO2	CO3	CO4
	3	3	3	3

Computation of CO Direct Attainment

COs	IE Assessment			EE Assessment	Direct CO attainment (0.3*IE Assessment +0.7*EE Assessment)
	Assessment Tool	Attainment Level	Average Level	End Exam	
CO1	Descriptive+Assignment	2.55	1.78	3	2.63
	Objective	1.00			
CO2	Descriptive+Assignment	3.00	2.00	3	2.70
	Objective	1.00			
CO3	Descriptive+Assignment	2.66	1.83	3	2.65
	Objective	1.00			
CO4	Descriptive+Assignment	3.00	2.00	3	2.7
	Objective	1.00			

Computation of CO Indirect Attainment

COs	CO1	CO2	CO3	CO4
Students Answered Level 1	9	11	7	9
Students Answered Level 2	19	10	20	14
Students Answered Level 3	41	48	42	46
Total Students	69	69	69	69
CO Attainment Level	2.46	2.54	2.51	2.54

Co Overall Attainment				
Attainment	CO1	CO2	CO3	CO4
Direct Attainment	2.6325	2.7	2.649	2.7
Indirect Attainment	2.46	2.54	2.51	2.54
Overall Attainment (80% of Direct + 20% of Indirect)	2.60	2.67	2.62	2.67

Average CO Attainment	2.64
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Computation of PO & PSO Direct Attainment

CO/PO & PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CMC Weighted Average	2.50	3.00	2.50	1.75	2.00	1.33	2.33	-	-	-	-	-	2.33	3.00	3.00
CO Attained Average	2.64	2.64	2.64	2.64	2.64	2.64	2.64	2.64	2.64	2.64	2.64	2.64	2.64	2.64	2.64
PO/PSO attainment Value	2.20	2.64	2.20	1.54	1.76	1.17	2.05	-	-	-	-	-	2.05	2.64	2.64

		Course Name :	FINITE ELEMENT METHOD/2020-21/ IV-I/ R20/EXTE				
		Course Code :	17A70302	mech			
Maximum Marks		60					
			CO1(22)	CO2(22)	CO3(22)	CO4(22)	CO5(22)
			24	24	24	24	24
S.No.	ROLLNO	Total	14	14	14	14	14
		End marks	7	7	7	7	7
1	20001A0301	26	5.2	5.2	5.2	5.2	5.2
2	20001A0302	36	7.2	7.2	7.2	7.2	7.2
3	20001A0303	33	6.6	6.6	6.6	6.6	6.6
4	20001A0304	30	6	6	6	6	6
5	20001A0305	30	6	6	6	6	6
6	20001A0306	34	6.8	6.8	6.8	6.8	6.8
7	20001A0307	41	8.2	8.2	8.2	8.2	8.2
8	20001A0308	29	5.8	5.8	5.8	5.8	5.8
9	20001A0309	29	5.8	5.8	5.8	5.8	5.8
10	20001A0310	37	7.4	7.4	7.4	7.4	7.4
11	20001A0311	33	6.6	6.6	6.6	6.6	6.6
12	20001A0312	32	6.4	6.4	6.4	6.4	6.4
13	20001A0313	31	6.2	6.2	6.2	6.2	6.2
14	20001A0314	38	7.6	7.6	7.6	7.6	7.6
15	20001A0315	33	6.6	6.6	6.6	6.6	6.6
16	20001A0316	36	7.2	7.2	7.2	7.2	7.2
17	20001A0317	27	5.4	5.4	5.4	5.4	5.4
18	20001A0318	31	6.2	6.2	6.2	6.2	6.2
19	20001A0319	33	6.6	6.6	6.6	6.6	6.6
20	20001A0320	28	5.6	5.6	5.6	5.6	5.6
21	20001A0321	28	5.6	5.6	5.6	5.6	5.6
22	20001A0322	46	9.2	9.2	9.2	9.2	9.2
23	20001A0323	40	8	8	8	8	8
24	20001A0324	41	8.2	8.2	8.2	8.2	8.2
25	20001A0325	44	8.8	8.8	8.8	8.8	8.8
26	20001A0326	34	6.8	6.8	6.8	6.8	6.8
27	20001A0327	38	7.6	7.6	7.6	7.6	7.6
28	20001A0328	44	8.8	8.8	8.8	8.8	8.8
29	20001A0329	27	5.4	5.4	5.4	5.4	5.4
30	20001A0330	49	9.8	9.8	9.8	9.8	9.8
31	20001A0331	26	5.2	5.2	5.2	5.2	5.2
32	20001A0332	33	6.6	6.6	6.6	6.6	6.6
33	20001A0333	33	6.6	6.6	6.6	6.6	6.6
34	20001A0334	25	5	5	5	5	5
35	20001A0335	25	5	5	5	5	5
36	20001A0336	29	5.8	5.8	5.8	5.8	5.8
37	20001A0337	31	6.2	6.2	6.2	6.2	6.2
38	20001A0339	37	7.4	7.4	7.4	7.4	7.4
39	20001A0340	30	6	6	6	6	6
40	20001A0341	36	7.2	7.2	7.2	7.2	7.2
41	20001A0342	32	6.4	6.4	6.4	6.4	6.4

42	20001A0343	30	6	6	6	6	6
43	20001A0344	42	8.4	8.4	8.4	8.4	8.4
44	20001A0345	30	6	6	6	6	6
45	20001a0346	37	7.4	7.4	7.4	7.4	7.4
46	20001A0347	40	8	8	8	8	8
47	20001A0348	26	5.2	5.2	5.2	5.2	5.2
48	20001A0349	27	5.4	5.4	5.4	5.4	5.4
49	20001A0350	31	6.2	6.2	6.2	6.2	6.2
50	20001A0351	37	7.4	7.4	7.4	7.4	7.4
51	20001A0352	36	7.2	7.2	7.2	7.2	7.2
52	20001A0354	25	5	5	5	5	5
53	20001A0355	38	7.6	7.6	7.6	7.6	7.6
54	20001A0356	47	9.4	9.4	9.4	9.4	9.4
55	20001A0357	30	6	6	6	6	6
56	20001A0359	28	5.6	5.6	5.6	5.6	5.6
57	20001A0361	34	6.8	6.8	6.8	6.8	6.8
58	20001A0362	33	6.6	6.6	6.6	6.6	6.6
59	20001A0363	27	5.4	5.4	5.4	5.4	5.4
60	20001A0364	25	0	0	0	0	0
61	20001A0365	33	6.6	6.6	6.6	6.6	6.6
62	20001A0366	30	6	6	6	6	6
63	21005A0301	26	5.2	5.2	5.2	5.2	5.2
64	21005A0302	28	5.6	5.6	5.6	5.6	5.6
65	21005A0303	34	6.8	6.8	6.8	6.8	6.8
66	21005A0304	33	6.6	6.6	6.6	6.6	6.6
67	21005A0305	27	5.4	5.4	5.4	5.4	5.4
68	21005A0306	25	0	0	0	0	0
69	21005A0307	33	6.6	6.6	6.6	6.6	6.6

No. of Students	64	64	64	64	64	64
No. of Students 50%and	33	33	46	46	46	53
% of students got > 50%	51.6	51.6	71.9	71.9	71.9	82.8
Attainment level	1	1	3	3	3	3

CO1

CO2

CO3

CO4

CO5

CO Attainment--Exte

CO1

CO2

CO3

CO4

CO5

Total external Question paper marks:110

CO WEIGHTAGE					
CO s weig Percentage(70%)					
C01	24	14			
C02	24	14			
C03	24	14			
C04	24	14			
C05	24	14			

Internal
External
1
3
3
3
3

Course Name :	Mass Transfer Operations - 1
Course Code :	
Semester :	III Year I Semester (R20)
Batch :	2020 - 2024
Academic Year:	2022-2023
Faulty Name	Mrs SOWJANYA D

Course Outcomes:		CO1	CO1	CO1	CO1	CO1	CO1	CO1	CO1	CO2	CO2	CO2
S.No.	Roll No./ Question no./Max. Marks	1a	1b	2a	2b	3a	3b	4a	4b	5a	5b	6a
		4	6	6	4	4	6	6	4	4	6	6
1	20001A0801	2	6					6	2	2	6	
2	20001A0802	4	6					6	2	2	6	
3	20001A0803		4			4	4				4	
4	20001A0804	4	6			4	6			2	6	
5	20001A0805	4	6			4	6			4	6	
6	20001A0806			6				4				6
7	20001A0807	4	6					6	2	4	4	
8	20001A0808	4	6					6	4			4
9	20001A0809	2	6			2	6				4	
10	20001A0810	4				4	6			4	4	
11	20001A0812	4	4					6	4			6
12	20001A0813							6	2	6	4	
13	20001A0814			6	4			6	4	4	6	
14	20001A0815	4	6					4	4			2
15	20001A0816	4	6					4	2			4
16	20001A0818			6	2			6				4
17	20001A0819	4	6					6	2			2
18	20001A0820	4	6			4	6					4
19	20001A0821		6				6			4	6	
20	20001A0822	4	6					2	4	6	2	
21	20001A0823	2	4					2	4	6	6	
22	20001A0824			4	2	2	4			4	4	
23	20001A0825		4					6	4		4	4
24	20001A0826	4	6	2	4	4	2					
25	20001A0829	2	4					6	2	2	6	
26	20001A0830			6	4			6	2	1	6	
27	20001A0831	4	6					6	4			2
28	20001A0832			4	2		2				4	

29	20001A0833			1				6	4	1	2	
30	20001A0834			6	4			6	4			4
31	20001A0835	4	2			4	2			2	4	
32	20001A0837	4	6			4	6					2
33	20001A0838	4	6					6	4	4	2	
34	20001A0839	2	6					6	3			4
35	20001A0840	4	6			4	6			2	6	
36	20001A0841			6	2	4	6					2
37	20001A0842			2	2	4	6			2	6	
38	20001A0843	2	6			2	2			2	6	
39	20001A0844	3	2			2	2				6	
40	20001A0845	4	6			4	6					6
41	20001A0846	4	6			4	6					6
42	20001A0847	2	2			2	4			4	4	
43	20001A0848		6			4	6					4
44	20001A0849							2	6	6	4	
45	20001A0850	2	6				6					
46	20001A0851	6				4	6					6
47	20001A0852	4	6			4	4			6	6	
48	20001A0853	2	6					6	4			6
49	20001A0854	2	6			4	6					2
50	20001A0855	2	6					2	2		6	
51	20001A0858	4	6	6		4	6	2	2		2	6
52	20001A0859	2	6			2	2			2	2	
53	20001A0860			6	4	4	6					6
54	20001A0862	4	6					6	2			4
55	20001A0863			6	4	4	6			1	2	
56	20001A0864	4	6					4	2		6	
57	20001A0865	4	6			4	6					
58	20001A0866	4	6			4	6					6
59	19001A0845	2	6			2	6			2	6	
60	21005A0801					2	6	2	4	4	6	
61	21005A0802											
62	21005A0803				6		6					2
63	21005A0804			6	4			6	4			4
64	21005A0805	2	6			2	2			2	2	
65	21005A0806	4	6			4					6	
66	21005A0807	2	6			4	6			6	4	

Course Outcomes:	CO1	CO1	CO1	CO1	CO1	CO1	CO1	CO1	CO1	CO2	CO2	CO2
No. of Students Attempted for the Question	44	46	15	13	33	36	30	28	29	38	26	

No. of students got ≥70% marks	29	38	10	8	24	25	20	16	15	19	9
No. students got ≥60- 69% marks	0	5	2	0	0	4	4	0	0	12	10
No. students got ≥40- 59% marks	15	0	0	5	9	0	0	12	11	0	0
No. students got <40 % marks	0	3	3	0	0	7	6	0	3	7	7
attainment level 3 if % ≥70, 2 if % ≥60-69, 1 if % ≥40-59, 0 for <40 others	1.55	1.88	0.52	0.44	1.23	1.26	1.03	0.91	0.85	1.23	0.71
	CO1	CO1	CO1	CO1	CO1	CO1	CO1	CO1	CO2	CO2	CO2

	Mid 1	Quiz 1	Mid 2	Quiz 2	Assign
CO1	1.10	1.44			3
CO2	0.84	1.65			3
CO3			1.11	0.92	3
CO4			0.88	1.31	3
CO5			1.27	1.43	3

CO - PO Atrricula

	PO1	PO2	PO3	PO4	PO5	PO6
CO1	3	2	2	2	1	1
CO2	3	3	3	2	1	1
CO3	2	3	3	2	1	1
CO4	3	2	3	1	1	1
CO5	2	3	1	1	1	1
	13	13	12	8	5	5

	PO1	PO2	PO3	PO4	PO5	PO6
CO1	2.31	1.54	1.54	1.54	0.77	0.77
CO2	2.31	2.31	2.31	1.54	0.77	0.77
CO3	1.54	2.31	2.31	1.54	0.77	0.77
CO4	2.31	1.54	2.31	0.77	0.77	0.77
CO5	1.54	2.31	0.77	0.77	0.77	0.77
	2.00	2.00	1.85	1.23	0.77	0.77

	PO1	PO2	PO3	PO4	PO5	PO6
	2.00	2.00	1.85	1.23	0.77	0.77

Important Points to be considered:

1. No. of students may change from year to year.
2. Please verify the Batch, AY, Regulation.
3. Please verify the articulation matrix No. of CO's for each subject.
4. Please check the formulae before data entry and finalizing

MID I

CO2			C01	C01	C01	C01	C01	C01	C01	C01	CO2	CO2	CO2	CO2
6b	For 30 marks	For 15 marks	1	2	3	4	5	6	7	8	9	10	11	12
4	30	15	1	1	1	1	1	1	1	1	1	1	1	1
	24	12	1	1	1	1	1	1	1	0	0	1	1	0
	26	13	1	1	1	1	1	1	1	0	0	1	1	0
	16	8	1	1	1	1	1	1	1	0	0	1	1	0
	28	14	1	1	0	1	0	1	1	0	0	1	1	0
	30	15	0	1	1	1	0	1	1	0	1	1	1	0
2	18	9	1	1	1	0	1	0	1	1	1	1	1	1
	26	13	1	1	0	0	0	0	0	1	1	1	1	1
2	26	13	0	1	1	0	0	1	1	1	1	1	0	0
	20	10	0	1	1	0	0	1	1	0	1	1	1	1
	22	11	0	1	1	1	1	0	0	1	1	0	1	0
4	28	14	1	1	0	0	0	0	0	1	1	1	1	0
	18	9	0	0	0	0	0	1	0	1	1	1	1	0
	30	15	1	1	0	0	1	0	0	1	1	1	1	1
2	22	11	1	1	1	0	0	0	0	0	0	1	1	0
2	22	11	0	1	0	1	0	1	0	1	1	0	1	1
2	20	10	0	1	0	0	0	0	1	1	0	1	1	0
4	24	12	0	1	0	0	0	0	1	1	1	1	1	1
2	26	13	0	0	1	0	0	0	0	1	0	1	1	0
	22	11	1	1	0	1	0	1	0	1	1	1	1	0
	24	12	0	1	0	0	0	0	1	1	0	0	1	0
	24	12	0	1	1	0	1	1	1	0	1	1	1	0
	20	10	0	1	1	0	0	0	1	1	0	0	1	0
	18	9	0	1	0	0	1	0	0	1	1	1	1	0
	16	8	0	1	0	1	0	0	1	1	1	1	1	0
	22	11	0	1	0	0	0	0	0	1	0	1	1	1
	25	12.5	1	1	0	0	0	1	0	1	1	1	1	1
2	24	12	0	1	0	0	0	0	0	1	1	1	1	1
	12	6	0	1	0	0	1	0	0	1	0	1	1	1

PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
1.23	0.77	1.23	0.77	0.77	1.54	1.39	1.23	1.23

C02	C02	C02	C02	C02	C02	C02	C02					C03	C03	C03
13	14	15	16	17	18	19	20	For 20 marks	For 10 marks	Total Mid-I marks (25)		1a	1b	2a
1	1	1	1	1	1	1	1	20	10	25		4	6	5
0	0	1	1	1	0	0	1	13	6.5	18.5		3	4	
0	0	1	0	1	0	1	1	13	6.5	19.5		2	2	
0	0	1	0	1	0	1	1	13	6.5	14.5		2		
0	0	1	0	1	0	1	1	11	5.5	19.5				4
1	1	1	0	1	0	0	1	13	6.5	21.5				4
0	0	1	0	0	0	1	1	13	6.5	15.5		3	4	
1	0	1	1	1	0	0	1	12	6	19		4	4	
1	0	1	0	1	1	0	1	12	6	19		3	4	
0	0	1	0	0	0	1	1	11	5.5	15.5				4
0	0	1	0	1	1	1	1	12	6	17			2	
0	0	1	1	0	1	0	1	10	5	19		5	4	
0	0	1	1	0	1	0	1	9	4.5	13.5				4
0	0	1	1	1	0	1	1	13	6.5	21.5				5
0	0	1	0	0	0	0	1	7	3.5	14.5		4	4	
1	0	1	0	1	0	0	1	11	5.5	16.5		4	4	
0	0	1	1	1	0	1	1	10	5	15		4	4	
1	0	1	1	0	0	1	1	12	6	18		5	3	
1	1	1	0	0	1	1	1	10	5	18		4	5	
0	0	0	0	1	0	0	1	10	5	16				3
0	0	1	1	1	1	0	1	9	4.5	16.5		3	4	
0	0	1	0	1	1	0	1	12	6	18				5
0	1	1	0	0	0	0	1	8	4	14		2	1	
1	0	1	0	0	0	0	1	9	4.5	13.5				5
1	0	1	1	0	0	0	1	11	5.5	13.5		4	6	
1	0	1	1	1	0	0	1	10	5	16		2	4	
1	0	1	1	0	1	1	1	14	7	19.5		4	4	
1	0	1	0	1	1	0	1	11	5.5	17.5		3	5	
1	0	1	1	0	0	1	1	11	5.5	11.5		2	2	

1	0	1	1	1	0	1	1	12	6	13		3	5	
1	0	1	0	1	0	1	1	12	6	19		4	4	
0	0	1	0	1	1	0	1	8	4	13		2	2	
1	1	1	0	1	0	0	1	12	6	18		2	4	
1	0	1	1	0	0	0	1	11	5.5	18.5		4	4	
1	0	1	0	1	1	1	1	14	7	18		4	3	
0	0	1	0	0	1	0	1	8	4	18				3
0	0	1	0	0	1	0	1	10	5	17		4	3	
0	0	1	1	0	0	1	1	6	3	14		4	4	
0	1	1	0	0	1	0	1	7	3.5	13.5		3	4	
1	0	1	0	1	1	0	1	11	5.5	13		2	2	
0	1	1	1	1	1	0	1	15	7.5	20.5		4	3	
1	1	1	0	1	0	0	1	13	6.5	21.5		4	6	
0	0	1	0	0	0	1	1	8	4	13				4
1	0	1	0	0	0	1	1	7	3.5	14.5				4
0	1	1	0	1	1	0	1	11	5.5	14.5		2	4	
0	0	1	1	0	0	0	1	12	6	13		3	4	
1	0	1	0	0	1	0	1	9	4.5	16.5		4	4	
0	1	1	0	1	1	0	1	12	6	21		2	4	
1	0	1	0	1	0	0	1	12	6	20		3	6	
0	0	1	1	0	0	0	1	7	3.5	14.5		2	3	
1	0	1	0	1	0	0	1	7	3.5	12.5		3	3	
0	0	1	1	1	1	0	1	13	6.5	20.5		3	4	
0	0	1	0	1	0	0	1	5	2.5	10.5		3	4	
1	1	1	0	0	1	0	1	14	7	22		3	6	
0	0	1	0	0	0	0	1	10	5	16				4
1	0	1	0	0	0	0	1	10	5	16.5		2	6	
0	0	1	1	0	0	1	1	9	4.5	15.5				4
1	0	1	1	0	1	0	1	12	6	18		3	6	
1	0	1	0	0	0	1	1	12	6	20		3	6	
1	1	1	0	1	0	0	1	13	6.5	18.5				5
1	1	1	1	1	0	1	1	13	6.5	15.5		4	6	
0	0	0	0	0	0	0	0	0	0	0				4
0	0	1	0	0	0	0	1	6	3	11		2	2	
0	0	1	0	1	1	0	1	10	5	19		3	5	
0	0	1	1	0	1	1	1	7	3.5	11.5		3	4	
0	0	1	0	1	0	0	1	10	5	15		2	5	
0	0	1	0	1	0	1	1	11	5.5	19.5		3	5	

C02	C02	C02	C02	C02	C02	C02	C02					C03	C03	C03
66	66	66	66	66	66	66	66					50	50	15

29	12	64	23	35	24	23	65					36	14	13
0	0	0	0	0	0	0	0					0	23	2
0	0	0	0	0	0	0	0					14	6	0
37	54	2	43	31	42	43	1					0	7	0
1.32	0.55	2.91	1.05	1.59	1.09	1.05	2.95					1.85	1.42	0.65
C02	C02	C02	C02	C02	C02	C02	C02					C03	C03	C03

ndirect
tainment

CES (CES) (0%)	20 % of CES	80 % FDAV + 20 % CES
18	0.496	2.31
18	0.496	2.31
16	0.512	2.27
11	0.502	2.28
18	0.496	2.33

MID II

C03	C04	C04	C04	C04	C05	C05	C05	C05			C03	C03	C03	C03	C03	C03
2b	3a	3b	4a	4b	5a	5b	6a	6b	For 30 mar ks	For 15 mar ks	1	2	3	4	5	6
5	4	6	3	7	5	5	5	5	30	15	1	1	1	1	1	1
			3	4	5	5			24	12	0	0	0	1	0	0
				4	5	5			18	9	1	0	0	1	0	1
		4							6	3	1	0	0	0	1	0
4	2	6			5				21	11	1	0	0	0	1	0
4	3	6						5	22	11	1	0	0	0	1	1
			2	7	4	4	3	5	24	12	0	1	0	0	1	0
	3	6			4	4			25	13	1	1	0	0	1	0
	4	4			5	5			25	13	0	0	0	1	0	0
	2	6					2	2	16	8	0	0	1	0	0	0
	3		2	7		5			16	8	0	0	0	0	1	0
	3	4			5	5			26	13	1	0	0	1	1	1
4				7	5	5			25	13	1	0	0	1	0	1
5	3	6			5	5			29	15	0	0	0	0	1	1
	3	4					4		19	9.5	0	0	1	1	0	0
			2	7	5	5			27	14	1	0	0	1	1	0
	4	4			5	5			26	13	0	0	0	1	0	1
			2	7	5	5			27	14	0	0	0	0	0	0
	2	6			4	5			26	13	0	0	1	1	1	1
4			2	4	5	5			23	12	1	0	0	1	0	1
	2	4					3	2	18	9	1	0	1	0	1	0
4			3	7	5	5			29	15	0	0	1	0	0	1
	4	6					4	4	21	11	0	0	0	0	1	0
4			3	3			1	5	21	11	0	0	1	1	1	0
			3	7		5			25	13	1	0	1	1	0	0
	3	2			5	5			21	11	1	0	0	0	1	0
			2	2	5	5			22	11	0	0	0	0	1	0
	3	4			5	5			25	13	1	0	1	0	0	1
	2	2				5			13	6.5	1	0	1	0	0	0

			3	4	2	5		3	22	11	0	0	0	0	0	1
	1		3	2	5	5			23	12	0	0	0	0	1	1
	1	4			5	2			16	8	0	0	1	0	0	1
			3	6	5	5			25	13	0	0	0	0	1	1
			3	2		5			18	9	1	0	0	1	1	0
		4	3	3	5	5			23	12	1	0	0	0	1	1
5		3	2	5	5				20	10	1	0	0	1	1	0
	2	2			5	5			21	11	0	0	1	1	0	0
				4			3	3	18	9	0	0	0	0	0	0
				6		2			15	7.5	0	0	0	1	1	1
		2			5				11	5.5	0	0	0	1	1	1
			1	7			3	5	23	12	0	0	0	1	1	0
			1	7	5	5			28	14	0	0	0	1	0	0
2							4	5	15	7.5	1	0	0	1	0	0
4			2	2	5	5			22	11	0	0	1	0	0	1
	2	2						4	14	7	0	0	0	0	0	0
1	7				5	5			24	12	0	0	0	0	0	0
			2	1	2	5	4		18	9	0	0	1	1	0	0
	3	2			3	5			19	9.5	0	0	1	0	0	0
	3	4			5	5			26	13	0	0	0	1	0	0
	2	4			5	5			21	11	0	0	0	0	0	0
	2	4			5	5			22	11	0	0	0	0	0	0
	2	4			5	5			23	12	1	0	0	0	0	1
	2	2			1	2			14	7	0	0	0	1	0	0
	3	6			5	5			28	14	1	0	0	1	0	0
4	1	4			4	5			22	11	0	0	0	0	0	0
	2	4			5	5			24	12	0	0	0	0	0	0
3			2	7			3	2	21	11	0	1	0	1	1	1
	4	6			5	5			29	15	0	0	0	0	1	0
			2	4	5	5			25	13	0	0	0	0	0	1
3	2	6			5	5			26	13	0	0	0	0	1	0
			2	7	5	5			29	15	1	0	0	1	1	1
			2	2	5	5			18	9	0	0	0	1	1	0
		1		2	2	5			13	6.5	1	0	0	0	0	0
			2	4			4	4	22	11	0	0	1	1	0	0
			1	3			3	4	18	9	1	0	0	0	0	1
		2			5	5			19	9.5	0	1	0	0	1	0
			5	2	5	5			25	13	0	0	0	0	0	0

C03	C04	C04	C04	C04	C05	C05	C05	C05			C03	C03	C03	C03	C03	C03
14	32	35	27	32	47	49	13	14			66	66	66	66	66	66

10	16	10	10	14	42	46	5	9			23	4	15	28	29	23
2	0	15	14	0	1	0	6	2			0	0	0	0	0	0
1	13	1	0	10	3	3	1	3			0	0	0	0	0	0
1	3	9	3	8	1	0	1	0			43	62	51	38	37	43
0.53	0.92	0.92	0.88	0.79	1.98	2.14	0.42	0.52			1.05	0.18	0.68	1.27	1.32	1.05
C03	C04	C04	C04	C04	C05	C05	C05	C05			C03	C03	C03	C03	C03	C03

C04	C04	C04	C04	C04	C04	C04	C05	C05	C05	C05	C05	C05	C05	
7	8	9	10	11	12	13	14	15	16	17	18	19	20	For 20 marks
1	1	1	1	1	1	1	1	1	1	1	1	1	1	20
0	0	0	0	0	1	0	0	1	1	0	1	1	0	6
1	1	1	1	0	0	0	0	0	1	0	1	1	1	11
1	0	0	0	1	0	1	0	1	0	0	1	0	0	7
1	0	0	0	1	0	0	1	1	0	0	0	1	1	8
0	0	1	1	1	1	1	0	1	0	0	1	0	1	11
1	0	1	1	1	1	0	1	0	0	0	0	0	0	8
0	0	1	1	1	1	1	1	0	0	0	1	0	1	11
0	0	1	1	0	0	0	0	1	0	0	1	0	1	6
0	0	1	1	0	0	0	0	0	0	0	0	0	1	4
0	0	1	1	1	1	0	1	1	0	0	1	1	1	10
0	0	1	1	1	1	0	1	1	0	0	1	1	1	13
0	0	0	1	1	1	0	1	1	0	0	1	1	1	11
0	0	1	0	0	0	0	0	1	0	1	0	1	1	7
0	0	0	0	1	1	0	0	1	1	0	0	1	1	8
0	0	1	0	1	1	0	0	1	1	1	0	1	1	11
1	0	1	1	0	1	1	1	1	0	1	0	1	0	11
0	0	1	1	1	1	0	1	1	0	0	1	1	1	9
0	0	1	1	0	1	0	0	1	0	0	1	1	1	11
1	0	1	1	0	1	0	1	1	0	0	0	0	1	10
1	1	1	1	0	0	1	0	0	1	0	1	1	1	12
0	0	1	1	1	0	1	1	0	0	0	0	0	1	8
0	0	0	0	0	1	0	0	0	0	1	0	1	1	5
0	1	1	0	1	1	0	1	0	0	1	0	0	1	10
1	0	1	1	1	1	0	1	1	0	0	0	0	1	11
1	0	0	0	0	1	0	0	1	0	0	1	1	1	8
1	1	0	0	1	1	0	1	1	1	0	0	1	0	9
1	0	1	1	0	0	0	1	0	1	0	0	1	1	10
0	0	0	0	0	0	0	0	0	1	0	0	0	0	3

1	1	1	0	1	1	0	1	0	0	1	0	1	1	10
1	0	1	0	1	0	0	0	0	0	0	1	0	1	7
0	1	1	1	0	0	0	1	0	1	1	1	1	1	11
0	0	1	1	1	1	0	0	1	0	1	0	1	1	10
1	0	1	0	0	0	0	1	0	1	0	0	1	0	8
0	0	1	0	1	0	0	1	1	1	0	1	1	0	10
0	0	1	0	0	0	0	1	0	1	0	1	1	0	8
0	0	1	0	0	1	0	1	0	0	1	0	0	1	7
1	1	0	1	0	1	0	0	1	1	0	0	0	1	7
0	1	1	1	0	1	0	0	1	0	1	1	0	1	11
0	0	1	0	0	1	0	0	1	0	1	1	1	1	10
0	0	1	0	0	1	0	0	1	0	1	1	1	0	8
0	0	0	0	0	1	0	1	0	0	0	1	0	0	4
0	0	1	1	1	1	0	1	0	0	0	1	0	0	8
0	0	1	1	1	0	0	0	0	0	1	0	0	1	7
0	0	0	0	0	1	1	1	1	0	1	0	0	1	6
1	0	0	0	1	1	1	1	1	0	1	0	0	1	8
0	1	0	0	1	1	0	0	1	1	0	0	1	0	8
1	0	1	1	0	0	0	1	0	0	0	0	1	1	7
0	0	0	0	1	1	0	1	0	0	0	1	1	0	6
0	0	1	0	0	1	0	1	0	0	0	1	1	1	6
0	1	0	0	0	0	0	1	0	1	0	0	0	1	4
0	0	1	1	0	0	0	1	1	1	0	0	0	1	8
1	0	1	0	0	0	0	1	1	0	0	0	0	1	6
1	0	1	1	0	1	0	1	0	0	1	0	0	1	9
0	1	1	0	0	1	0	0	0	1	1	1	0	0	6
1	0	0	1	1	1	0	1	0	1	0	0	0	1	7
1	0	1	0	0	0	1	0	0	0	0	0	0	1	8
0	0	1	1	1	1	0	1	0	0	1	0	1	0	8
1	0	1	0	1	1	0	1	1	0	0	0	1	1	9
1	0	1	1	0	1	0	0	0	1	0	0	1	1	8
1	1	0	1	0	1	1	1	0	0	0	1	1	1	13
1	0	1	1	0	1	0	0	0	0	0	1	0	1	8
0	0	1	0	0	1	1	1	0	0	0	0	0	1	6
0	0	1	0	1	1	0	0	1	0	0	0	0	1	7
0	0	1	1	0	0	0	1	1	1	0	0	0	1	8
0	1	0	1	0	1	0	0	0	0	1	1	1	1	9
0	1	0	0	1	1	0	1	0	0	0	0	0	0	4

[illegible]

25	14	46	33	29	44	11	38	32	20	19	28	34	49	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	
41	52	20	33	37	22	55	28	34	46	47	38	32	17	
1.14	0.64	2.09	1.50	1.32	2.00	0.50	1.73	1.45	0.91	0.86	1.27	1.55	2.23	
C04	C04	C04	C04	C04	C04	C04	C05	C05	C05	C05	C05	C05	C05	

			Assignment							Total End Marks of each student
			CO1	CO2	CO3	CO4	CO5			60M/ Cos
For 10 marks	Total Mid-II marks (25)	Final Mid Marks	1		2			Avg	Total Marks in Internal Examination	110
10	25	25	5	5	5	5	5	5	30	60
3	15	18	5	5	5	5	5	5	23	55
5.5	14.5	19	5	5	5	5	5	5	24	52
3.5	6.5	13	5	5	5	5	5	5	18	14
4	14.5	19	5	5	5	5	5	5	24	31
5.5	16.5	21	5	5	5	5	5	5	26	55
4	16	16	5	5	5	5	5	5	21	46
5.5	18	19	5	5	5	5	5	5	24	60
3	15.5	18	5	5	5	5	5	5	23	42
2	10	14	5	5	5	5	5	5	19	32
5	13	16	5	5	5	5	5	5	21	41
6.5	19.5	19	5	5	5	5	5	5	24	62
5.5	18	17	5	5	5	5	5	5	22	41
3.5	18	21	5	5	5	5	5	5	26	69
4	13.5	14	5	5	5	5	5	5	19	30
5.5	19	19	5	5	5	5	5	5	24	41
5.5	18.5	18	5	5	5	5	5	5	23	64
4.5	18	18	5	5	5	5	5	5	23	55
5.5	18.5	18	5	5	5	5	5	5	23	46
5	16.5	16	5	5	5	5	5	5	21	53
6	15	16	5	5	5	5	5	5	21	32
4	18.5	18	5	5	5	5	5	5	23	51
2.5	13	14	5	5	5	5	5	5	19	30
5	15.5	15	5	5	5	5	5	5	20	44
5.5	18	17	5	5	5	5	5	5	22	61
4	14.5	16	5	5	5	5	5	5	21	52
4.5	15.5	19	5	5	5	5	5	5	24	45
5	17.5	18	5	5	5	5	5	5	23	61
1.5	8	11	5	5	5	5	5	5	16	40

5	16	15	5	5	5	5	5	5	20	51
3.5	15	18	5	5	5	5	5	5	23	45
5.5	13.5	13	5	5	5	5	5	5	18	35
5	17.5	18	5	5	5	5	5	5	23	47
4	13	17	5	5	5	5	5	5	22	50
5	16.5	18	5	5	5	5	5	5	23	58
4	14	17	5	5	5	5	5	5	22	47
3.5	14	16	5	5	5	5	5	5	21	39
3.5	12.5	14	5	5	5	5	5	5	19	59
5.5	13	13	5	5	5	5	5	5	18	36
5	10.5	13	5	5	5	5	5	5	18	33
4	15.5	20	5	5	5	5	5	5	25	56
2	16	20	5	5	5	5	5	5	25	58
4	11.5	13	5	5	5	5	5	5	18	50
3.5	14.5	15	5	5	5	5	5	5	20	41
3	10	14	5	5	5	5	5	5	19	41
4	16	15	5	5	5	5	5	5	20	49
4	13	16	5	5	5	5	5	5	21	51
3.5	13	19	5	5	5	5	5	5	24	58
3	16	19	5	5	5	5	5	5	24	64
3	13.5	14	5	5	5	5	5	5	19	51
2	13	13	5	5	5	5	5	5	18	36
4	15.5	20	5	5	5	5	5	5	25	47
3	10	10	5	5	5	5	5	5	15	47
4.5	18.5	21	5	5	5	5	5	5	26	57
3	14	16	5	5	5	5	5	5	21	51
3.5	15.5	16	5	5	5	5	5	5	21	48
4	14.5	15	5	5	5	5	5	5	20	44
4	18.5	18	5	5	5	5	5	5	23	58
4.5	17	19	5	5	5	5	5	5	24	60
4	17	18	5	5	5	5	5	5	23	36
6.5	21	20	5	5	5	5	5	5	25	44
4	13	10	5	5	5	5	5	5	15	39
3	9.5	11	5	5	5	5	5	5	16	34
3.5	14.5	18	5	5	5	5	5	5	23	60
4	13	13	5	5	5	5	5	5	18	49
4.5	14	15	5	5	5	5	5	5	20	51
2	14.5	19	5	5	5	5	5	5	24	45

			CO1	CO2	CO3	CO4	CO5			
			66	66	66	66	66			66

			66	66	66	66	66			46
			0	0	0	0	0			11
			0	0	0	0	0			8
			0	0	0	0	0			1
			3.00	3.00	3.00	3.00	3.00			2.55
			C01	C02	C03	C04	C05			

End Semester Exam				
CO1	CO2	CO3	CO4	CO5
22	22	22	22	22
12	12	12	12	12
11	11	11	11	11
10.4	10.4	10.4	10.4	10.4
2.8	2.8	2.8	2.8	2.8
6.2	6.2	6.2	6.2	6.2
11	11	11	11	11
9.2	9.2	9.2	9.2	9.2
12	12	12	12	12
8.4	8.4	8.4	8.4	8.4
6.4	6.4	6.4	6.4	6.4
8.2	8.2	8.2	8.2	8.2
12.4	12.4	12.4	12.4	12.4
8.2	8.2	8.2	8.2	8.2
13.8	13.8	13.8	13.8	13.8
6	6	6	6	6
8.2	8.2	8.2	8.2	8.2
12.8	12.8	12.8	12.8	12.8
11	11	11	11	11
9.2	9.2	9.2	9.2	9.2
10.6	10.6	10.6	10.6	10.6
6.4	6.4	6.4	6.4	6.4
10.2	10.2	10.2	10.2	10.2
6	6	6	6	6
8.8	8.8	8.8	8.8	8.8
12.2	12.2	12.2	12.2	12.2
10.4	10.4	10.4	10.4	10.4
9	9	9	9	9
12.2	12.2	12.2	12.2	12.2
8	8	8	8	8

10.2	10.2	10.2	10.2	10.2
9	9	9	9	9
7	7	7	7	7
9.4	9.4	9.4	9.4	9.4
10	10	10	10	10
11.6	11.6	11.6	11.6	11.6
9.4	9.4	9.4	9.4	9.4
7.8	7.8	7.8	7.8	7.8
11.8	11.8	11.8	11.8	11.8
7.2	7.2	7.2	7.2	7.2
6.6	6.6	6.6	6.6	6.6
11.2	11.2	11.2	11.2	11.2
11.6	11.6	11.6	11.6	11.6
10	10	10	10	10
8.2	8.2	8.2	8.2	8.2
8.2	8.2	8.2	8.2	8.2
9.8	9.8	9.8	9.8	9.8
10.2	10.2	10.2	10.2	10.2
11.6	11.6	11.6	11.6	11.6
12.8	12.8	12.8	12.8	12.8
10.2	10.2	10.2	10.2	10.2
7.2	7.2	7.2	7.2	7.2
9.4	9.4	9.4	9.4	9.4
9.4	9.4	9.4	9.4	9.4
11.4	11.4	11.4	11.4	11.4
10.2	10.2	10.2	10.2	10.2
9.6	9.6	9.6	9.6	9.6
8.8	8.8	8.8	8.8	8.8
11.6	11.6	11.6	11.6	11.6
12	12	12	12	12
7.2	7.2	7.2	7.2	7.2
8.8	8.8	8.8	8.8	8.8
7.8	7.8	7.8	7.8	7.8
6.8	6.8	6.8	6.8	6.8
12	12	12	12	12
9.8	9.8	9.8	9.8	9.8
10.2	10.2	10.2	10.2	10.2
9	9	9	9	9

End Exam				
66	66	66	66	66

46	46	46	46	46
11	11	11	11	11
8	8	8	8	8
1	1	1	1	1
2.55	2.55	2.55	2.55	2.55
C01	C02	C03	C04	C05

Course Name :	Chemical Reaction Engineering-2
Course Code :	
Semester :	III Year II Semester (R19)
Batch :	2021-25
Academic Year:	2023-24
Faulty Name	Mrs. Sowjanya D

Course Outcomes:		CO1	CO1	CO1	CO1	CO2	CO2	CO2	CO2	CO3	CO3	CO3
S.No.	Roll No./ Question no./Max. Marks	1	2a	2b	2c	3a	3b	4a	4b	5a	5b	6a
		10	2	4	4	5	5	5	5	5	5	5
1	21001A0801	5						2	4			1
2	21001A0802	8						3				1
3	21001A0804	4						3	2	1		
4	21001A0805	3						3	2			3
5	21001A0806	4						3	2			2
6	21001A0807	8						4	4			3
7	21001A0808		2	3	4			3	2			4
8	21001A0810											
9	21001A0811	4						4	1			1
10	21001A0812	8		2	1	5	3				3	2
11	21001A0813	4		4				2	4	3	5	
12	21001A0814				2				3			
13	21001A0815	5						3	4			4
14	21001A0816	8				1	3					
15	21001A0817	4	2	4	4	5	3					5
16	21001A0818	6	2	3	4	2	3	4	5			2
17	21001A0819	8						4	5			4
18	21001A0820	6	2							5	5	
19	21001A0821	4						3	2			2
20	21001A0822		2	3				2	4			5
21	21001A0823					4						
22	21001A0824		2	4	4			3	5			
23	21001A0825		2	2	3			3	4	3		
24	21001A0826		2	2	4	5		3	4			
25	21001A0827	6						2	4			3
26	21001A0828		2	4	4			2	4			2
27	21001A0829	4				4	5					4
28	21001A0830	8						4	3			5

29	21001A0831		0.5	3	0.5			3				
30	21001A0832	8				4	3			5	1	
31	21001A0833	1						3	4			2
32	21001A0834		1	1				1	4	1		
33	21001A0835	1						3	4			1
34	21001A0836	6						4	5			5
35	21001A0837	8						3	5	2	5	
36	21001A0838	8						4	3	5	3	
37	21001A0839	2						2	3			
38	21001A0840	8						4	4	2	2	
39	21001A0842	8						3	5		3	
40	21001A0843	4						3				3
41	21001A0844	8						4	3			2
42	21001A0846		2					3	4			1
43	21001A0847	6						3	3			2
44	21001A0848	2						3	2			3
45	21001A0849	4						3	3			1
46	21001A0850		2	4				4	5			1
47	21001A0851	1						1	3			
48	21001A0852	8				5				2	2	
49	21001A0853	6						3	4	4		
50	21001A0854			4		4	5					2
51	21001A0855		4	1	2	2				3		
52	21001A0856	2						3	4			5
53	21001A0859	4						3	4			3
54	21001A0861	4				4	2					2
55	21001A0866		2	2	4			3	2	1	4	
56	20001A0811	8						3	5	4		
57	20001A0817		1						4	5		
58	20001A0827	1						2	4			
59	20001A0828	4						3	2		2	
60	20001A0856	2						3	2		2	
61	22005A0801	6						4	4			1
62	22005A0802	6						2	5	2	2	
63	22005A0803		2	1	2			3	3	1	2	
64	22005A0804		2	2	2				2	1	1	1
65	22005A0805	4						4	4	5	2	
66	22005A0806		2	2	1			2	4			2
67	22005A0807	6						3	3	3	3	
68	22005A0808		2					4	5	5	5	
69	22005A0809	8						4	3	2		
70	22005A0810	2						2	2	5	3	

Course Outcomes:	CO1	CO1	CO1	CO1	CO2	CO2	CO2	CO2	CO3	CO3	CO3
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No. of Students Attempted for the Question	49	20	19	15	12	8	55	55	23	19	35
No. of students got >=60% marks	15	17	10	8	9	7	43	43	13	10	15
students satisfactory performance	30.6	85	52.6	53.3	75	87.5	78.2	78.2	56.5	52.6	42.9
attainment level 3 if % >=60, 2 if % >=50-60 1 if % <50,	1.00	3.00	1.00	1.00	3.00	3.00	3.00	3.00	2.00	2.00	1.00
Course Outcomes:	CO1	CO1	CO1	CO1	CO2	CO2	CO2	CO2	CO3	CO3	CO3

	MID1 Descriptive										
C01	1.00	3.00	1.00	1.00							
C02					3.00	3.00	3.00	3.00			
C03									2.00	2.00	1.00
C04											
C05											

	Mid 1	Quiz 1	Mid 2
CO1	1.50	2.33	
CO2	3.00	1.67	
CO3	1.50	1.60	1.00
CO4			2.25
CO5			1.20

	PO1	PO2	PO3
CO1	3	2	2
CO2	3	3	3
CO3	2	3	3
CO4	3	2	3
CO5	2	3	1

	PO1	PO2	PO3
CO1	2.69	1.79	1.79
CO2	2.78	2.78	2.78
CO3	1.92	2.88	2.88
CO4	2.70	1.80	2.70
CO5	1.76	2.64	0.88
	2.37	2.38	2.20
	PO1	PO2	PO3
	2.37	2.38	2.20

Important Points to be considered:

1. No. of students may change from year to year.
2. Please verify the Batch, AY, Regulation.
3. Please verify the articulation matrix No. of CO's for each subject.
4. Please check the formulae before data entry and finalizing

MID I

CO3				C01	C01	C01	C01	C01	C01	CO2
6b	For 30 marks	For 15 marks		1	2	3	4	5	6	7
5	30	15		1	1	1	1	1	1	1
2	14	7		1	1	0	1	1	0	1
2	14	7		1	0	1	1	1	0	1
	10	5		1	1	1	1	1	0	1
1	12	6		1	1	1	1	1	1	1
	11	5.5		1	1	1	1	1	0	1
	19	9.5		1	1	1	1	1	0	0
4	22	11		1	0	1	1	1	0	1
	0	0		0	0	0	0	0	0	0
	10	5		1	1	1	1	0	0	1
	19	9.5		0	1	1	1	1	0	1
	18	9		0	1	0	1	1	0	1
	5	2.5		1	0	1	0	0	0	1
4	20	10		1	0	1	0	0	1	1
	12	6		0	1	0	1	1	0	1
5	28	14		1	1	1	1	1	0	1
4	24	12		0	0	1	1	0	0	1
4	25	12.5		1	0	1	1	1	0	1
	16	8		1	0	1	0	0	0	1
2	13	6.5		0	1	0	0	0	1	1
3	19	9.5		1	1	1	1	1	1	1
	4	2		1	1	1	1	1	1	1
	18	9		1	1	1	1	1	1	1
	17	8.5		0	1	1	1	1	1	1
2	17	8.5		1	1	1	1	1	1	1
	15	7.5		1	1	1	1	1	1	1
	18	9		0	1	1	1	1	0	1
4	21	10.5		0	1	1	1	1	0	1
2	22	11		0	1	1	0	1	0	1

	7	3.5		1	1	1	1	1	1	1
	21	10.5		1	1	1	0	1	1	1
	10	5		0	0	1	1	1	0	0
	8	4		0	1	1	0	1	0	1
	9	4.5		0	0	1	0	1	0	1
4	24	12		0	0	1	1	1	0	1
	23	11.5		1	1	1	1	1	0	1
	23	11.5		0	1	1	1	1	0	1
	7	3.5		0	1	0	1	0	0	1
	20	10		0	1	1	1	1	0	1
	19	9.5		0	0	1	0	1	0	1
2	12	6		0	1	0	1	1	1	0
2	19	9.5		1	0	1	0	1	0	1
	10	5		1	1	1	1	1	1	1
	14	7		1	0	1	0	1	1	1
	10	5		0	0	1	1	1	0	0
	11	5.5		0	0	1	1	1	0	0
	16	8		0	0	1	1	1	0	0
	5	2.5		0	0	1	1	1	0	0
	17	8.5		0	1	1	1	1	0	1
	17	8.5		1	1	1	0	1	0	1
	15	7.5		1	1	1	1	1	0	1
	12	6		1	1	1	0	1	0	0
	14	7		0	0	0	0	1	1	1
	14	7		1	1	0	1	0	0	1
	12	6		1	1	1	1	1	1	1
	18	9		0	0	1	1	0	0	1
	20	10		1	1	1	0	0	1	1
	10	5		1	1	1	1	1	1	0
	7	3.5		0	0	1	1	1	0	1
	11	5.5		0	0	0	0	0	1	0
	9	4.5		1	0	0	0	0	0	0
2	17	8.5		1	0	1	1	1	1	1
	17	8.5		0	0	1	0	0	0	1
	14	7		0	0	1	1	0	0	1
	10	5		0	0	1	0	0	0	0
	19	9.5		1	1	1	1	1	1	1
	13	6.5		0	1	1	1	1	1	1
	18	9		1	1	1	1	1	1	1
	21	10.5		0	1	1	1	1	1	1
	17	8.5		0	0	1	0	0	0	1
	14	7		1	0	1	1	0	0	0

C03				C01	C01	C01	C01	C01	C01	C02
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17				70	70	70	70	70	70	70
8				36	41	59	49	52	24	56
47.1				51.43	58.57	84.286	70	74.2857	34.29	80
1.00				2.00	2.00	3.00	3.00	3.00	1.00	3.00
CO3				C01	C01	C01	C01	C01	C01	CO2

	Average
	1.50
	3.00
1.00	1.50

C01	2.00	2.00	3.00	3.00	3.00	1.00	
C02							3.00
C03							
C04							
C05							

Direct Attainment

Direct Attainment

Quiz 2	Assignment	Internal Total	40% of Internal	External Total	60 % of External
	3.00	2.28	0.91	3.00	1.8
	3.00	2.56	1.02	3.00	1.8
1.33	3.00	2.81	1.12	3.00	1.8
1.57	3.00	2.27	0.91	3.00	1.8
2.14	3.00	2.11	0.85	3.00	1.8

CO - PO Atriculation Matrix

PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
2	1	1	2	1	2	1	1	2	2	1
2	1	1	1	1	1	1	1	2	2	2
2	1	1	2	1	1	1	1	1	2	1
1	1	1	1	1	2	1	1	3	1	2
1	1	1	2	1	2	1	1	2	2	2

PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
1.79	0.90	0.90	1.79	0.90	1.79	0.90	0.90	1.79	1.79	0.90
1.85	0.93	0.93	0.93	0.93	0.93	0.93	0.93	1.85	1.85	1.85
1.92	0.96	0.96	1.92	0.96	0.96	0.96	0.96	0.96	1.92	0.96
0.90	0.90	0.90	0.90	0.90	1.80	0.90	0.90	2.70	0.90	1.80
0.88	0.88	0.88	1.76	0.88	1.76	0.88	0.88	1.76	1.76	1.76
1.47	0.91	0.91	1.46	0.91	1.45	0.91	0.91	1.81	1.64	1.45

PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
1.47	0.91	0.91	1.46	0.91	1.45	0.91	0.91	1.81	1.64	1.45

C02	C02	C02	C02	C02	C02	C02	C02	C03	C03	C03	C03	C03
8	9	10	11	12	13	14	15	16	17	18	19	20
1	1	1	1	1	1	1	1	1	1	1	1	1
0	1	0	1	1	1	1	1	1	1	0	1	0
0	0	0	1	1	1	1	1	1	0	0	1	0
0	0	0	1	1	1	1	1	1	1	0	1	0
0	0	1	0	0	1	1	1	1	0	0	1	0
0	0	0	0	1	1	1	1	1	1	0	1	0
0	0	0	0	1	1	0	1	1	1	0	0	0
0	0	1	0	1	0	1	0	1	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	1	0	1	0	1	1	1	0	1	0	1
1	1	1	0	0	0	1	1	1	0	1	0	0
0	0	0	0	0	0	0	1	1	0	0	1	0
1	0	0	1	1	0	0	1	1	0	1	1	0
1	0	0	1	1	0	0	1	1	0	0	1	0
1	1	1	1	0	0	0	0	1	1	0	0	0
1	1	0	0	1	0	0	0	1	1	0	1	0
1	0	1	0	1	1	1	1	0	0	0	0	0
1	0	1	0	0	0	0	0	1	1	1	1	0
0	1	0	1	1	1	1	0	0	0	0	1	0
0	0	0	1	1	1	0	0	0	0	0	0	0
1	0	1	0	0	1	0	1	1	1	1	1	0
1	0	1	0	0	1	0	0	1	1	0	0	0
1	0	1	0	0	1	0	0	1	1	0	0	0
1	0	1	1	0	1	0	0	1	1	0	0	0
1	0	1	0	0	1	0	0	1	1	0	0	0
1	0	1	0	0	1	0	0	1	1	0	0	0
0	0	1	0	0	1	0	0	1	1	0	0	0
0	0	1	1	1	1	0	1	0	0	0	1	0
0	0	0	0	0	0	1	0	1	1	0	1	0

1	1	1	1	0	1	0	0	1	1	0	1	0
1	1	1	1	0	1	0	0	1	1	0	0	0
1	0	0	1	0	0	0	1	1	1	0	1	0
1	0	1	0	0	0	1	0	1	1	1	1	0
0	0	1	0	0	1	0	0	1	1	1	1	1
0	1	1	1	1	1	0	1	1	0	0	1	0
1	1	1	1	1	1	0	0	1	0	1	1	0
1	1	1	0	1	1	1	1	1	0	0	1	0
0	1	0	0	1	1	0	1	1	0	0	0	0
1	1	1	1	1	1	0	1	1	1	0	0	0
0	1	1	1	0	1	1	1	1	0	0	1	0
0	1	0	1	1	1	0	0	1	0	0	1	0
0	0	0	0	0	1	0	1	1	0	0	1	0
1	0	1	0	1	0	0	1	1	0	1	0	0
0	0	0	0	1	1	1	0	1	1	0	1	0
0	0	0	1	0	1	0	1	1	1	0	1	0
0	1	0	1	0	1	0	1	1	1	0	1	0
0	1	0	1	0	1	0	1	1	1	0	1	0
1	0	0	1	0	0	0	0	1	0	0	1	1
1	0	0	1	1	1	0	0	1	1	0	0	0
1	0	1	0	0	0	0	0	0	0	0	0	0
1	0	1	0	0	0	0	0	0	0	0	0	0
1	0	1	0	0	1	0	1	0	0	1	0	0
0	0	0	0	0	1	1	1	1	0	1	1	0
1	0	1	0	0	1	1	0	1	0	1	0	0
0	0	0	0	0	1	1	1	1	0	0	1	0
1	0	0	0	1	0	0	0	1	0	0	0	0
0	1	1	1	1	1	0	1	1	0	0	0	0
1	0	1	1	1	1	1	1	1	1	0	1	0
0	1	0	1	0	1	0	0	1	1	0	1	0
1	1	1	0	1	0	0	0	1	0	1	0	0
0	1	1	0	0	0	0	0	1	0	0	0	0
1	1	0	1	1	1	0	0	1	0	0	0	0
0	0	1	1	0	1	1	0	1	0	1	0	0
0	0	0	0	0	1	0	0	1	0	1	0	1
1	0	1	1	0	1	0	0	1	0	0	0	1
1	1	1	0	0	1	0	0	1	1	1	1	0
1	1	0	0	0	0	0	0	1	1	1	0	0
1	1	1	0	0	0	0	0	1	0	0	0	0
1	0	1	1	0	1	1	0	1	1	0	1	0
0	0	1	1	0	1	0	1	1	0	1	0	0
0	0	0	0	1	1	0	1	0	1	0	1	0

C02	C02	C02	C02	C02	C02	C02	C02	C02	C03	C03	C03	C03	C03
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69	70	70	70	70	70	70	70	70	70	70	70	70
36	24	39	31	29	48	21	32	61	32	18	36	5
52.174	34.28571429	55.71	44.3	41.43	68.6	30	45.7	87.1	45.7	25.7	51.4	7.14
2.00	1.00	2.00	1.00	1.00	3.00	1.00	1.00	3.00	1.00	1.00	2.00	1.00
C02	C02	C02	C02	C02	C02	C02	C02	C03	C03	C03	C03	C03

MID1 Objective												
2.00	1.00	2.00	1.00	1.00	3.00	1.00	1.00					
								3.00	1.00	1.00	2.00	1.00

		Indirect Attainment		Final Attainment
Final Direct Attainment Value (FDAV)	80 % of FDAV	Course End Survery (CES) (100%)	20 % of CES	80 % FDAV + 20 % CES
2.71	2.17	2.6	0.52	2.69
2.82	2.26	2.6	0.52	2.78
2.92	2.34	2.69	0.538	2.88
2.71	2.17	2.64	0.528	2.70
2.65	2.12	2.6	0.52	2.64

PSO3
2
1
2
2
1

PSO3	CO Average
1.79	1.49
0.93	1.54
1.92	1.53
1.80	1.50
0.88	1.35
1.46	

PSO3
1.46

				C03	C03	C03	C04	C04	C04	C04	C05	C05	C05	C05
For 20 marks	For 10 marks	Total Mid-I marks (25)		1	2a	2b	3a	3b	4a	4b	5a	5b	5c	6a
20	10	25		10	4	6	5	5	4	6	4	3	3	4
14	7	14				2	2				2			
12	6	13		2					4	6				2
14	7	12				2			2					
13	6.5	12.5					5				2	3		
13	6.5	12			2	4			2	3				2
10	5	14.5			2	2	5	5						
9	4.5	15.5				6	5	5						4
0	0	0												
12	6	11		2	2				2					2
12	6	15.5		4			3	2						2
7	3.5	12.5			1	1	5	5			2	1	1	
10	5	7.5												
10	5	15		4			3							4
10	5	11		8			5	5			2	3	2	
12	6	20		6	4	2	5	5			4	3	2	
9	4.5	16.5		8		2	1	5			3	1		1
11	5.5	18		4			3	2			2	1	1	
9	4.5	12.5					3				2			
6	3	9.5		4			1	1			1	1	1	
15	7.5	17		4			5	2						2
12	6	8		1			1				1			
12	6	15		4			2	3						4
12	6	14.5		6			5	2						6
12	6	14.5		6			5					2		
12	6	13.5		2			1	1						2
9	4.5	13.5		4			5	5						
11	5.5	16		8					4	6	4	1	1	
8	4	15			1	1	2	2						4

15	7.5	11			1	2			2					
13	6.5	17		4			5	2						2
9	4.5	9.5		2			2	1			1	1		
11	5.5	9.5		1							1	1		
10	5	9.5		2			5				2			
12	6	18		4			2	2	6					2
15	7.5	19			4	6	5	5			2	3	2	
14	7	18.5			2	6	5	5						4
8	4	7.5		8			5	1			2	3		
14	7	17		6			5	5			2	1	1	
11	5.5	15		4			5	2			2	3	1	
10	5	11		6			2	5	2		2	1	2	
8	4	13.5			2	2	2	2						2
13	6.5	11.5				6			4	6				2
11	5.5	12.5			2	2		3			2	1	1	
9	4.5	9.5			2	2	2				1	1	1	
10	5	10.5		2			5	2			1	1	1	
10	5	13		6					4	6	2			
8	4	6.5		4		2	5				2			
11	5.5	14		4			2	2			2	3		
7	3.5	12					5	5			2	1		
8	4	11.5		4			5	5						2
9	4.5	10.5		4			2	1			2	1	1	
9	4.5	11.5		6			5				3	2	2	
10	5	12		2					4	6	2	1		
12	6	12		8			3				2	1	1	
6	3	12		4			5	1			2	2	2	
12	6	16				2	5	2			2	1		
16	8	13												4
10	5	8.5									2	3		
7	3.5	9		4			2	2						2
4	2	6.5		6			5	1			2	1	1	
12	6	14.5		6			5	2			2	3	2	
8	4	12.5		4					4	6				2
7	3.5	10.5		2			2	2						2
7	3.5	8.5		2			2	2			2	3		
15	7.5	17		4			5	5			2	2	3	
11	5.5	12				3			4	6	2	2		
11	5.5	14.5		4			5	5			2	2	2	
14	7	17.5			1	2	5	5						4
8	4	12.5				2	5	2			2			
8	4	11		4			2	2						2

				C03	C03	C03	C04	C04	C04	C04	C05	C05	C05	C05
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				45	13	21	53	43	13	8	40	34	21	24
				14	2	5	35	18	8	7	4	16	9	8
				31.1	15.4	23.8	66	41.9	61.5	87.5	10	47.1	42.9	33.3
				1.00	1.00	1.00	3.00	1.00	2.00	3.00	1.00	1.00	1.00	1.00
				C03	C03	C03	C04	C04	C04	C04	C05	C05	C05	C05

Average
2.33
1.67
1.60

	MID2 Descriptive												
C01													
C02													
C03	1.00	1.00	1.00										
C04				3.00	1.00	2.00	3.00						
C05								1.00	1.00	1.00	1.00		

MID II

C05				C03	C03	C03	C03	C03	C03	C04	C04	C04	C04	C04
6b	For 30 marks	For 15 marks		1	2	3	4	5	6	7	8	9	10	11
6	30	15		1	1	1	1	1	1	1	1	1	1	1
	6	3		1	1	0	1	0	0	1	1	1	0	1
2	16	8		1	1	0	0	0	0	1	1	1	1	0
2	6	3		1	1	0	1	0	0	1	0	1	1	0
	10	5		1	0	0	1	0	0	1	0	0	0	0
4	17	8.5		1	0	1	1	0	0	1	0	1	1	0
4	18	9		1	1	1	1	0	0	1	1	1	1	0
6	26	13		1	0	0	0	0	0	1	0	1	0	1
	0	0		0	0	0	0	0	0	0	0	0	0	0
2	8	4		1	1	1	1	0	1	1	1	1	1	1
4	15	7.5		1	1	1	1	0	1	1	0	1	1	1
	16	8		1	1	0	0	0	0	0	1	0	0	0
	0	0		0	0	0	0	0	0	0	0	0	0	0
6	17	8.5		1	1	1	1	0	0	1	1	1	1	1
	25	12.5		1	0	1	0	0	0	1	0	1	1	0
	25	12.5		1	1	0	0	0	0	1	0	1	1	0
	18	9		1	0	1	1	0	0	1	0	0	1	0
	13	6.5		1	1	1	1	0	0	1	0	1	1	1
	5	2.5		0	0	0	1	0	1	1	0	1	1	0
	9	4.5		0	1	0	1	0	0	0	0	0	1	0
6	19	9.5		1	1	1	1	0	0	0	0	1	0	1
	3	1.5		1	0	0	0	0	1	1	0	0	0	0
6	19	9.5		1	0	0	0	0	1	1	0	0	0	0
	19	9.5		1	0	1	1	0	1	1	0	0	0	0
	13	6.5		1	0	1	0	0	1	1	0	1	0	1
2	8	4		1	0	0	0	0	1	1	0	1	0	1
	14	7		1	0	0	0	0	1	1	0	1	0	1
	24	12		0	1	1	0	1	0	1	0	0	0	0
2	12	6		1	0	0	1	0	0	0	1	1	0	0

	5	2.5		1	0	0	0	0	1	1	0	1	1	1
2	15	7.5		1	0	0	0	0	0	1	0	1	0	0
	7	3.5		1	0	0	0	1	0	1	0	1	0	1
	3	1.5		1	1	0	1	0	0	1	0	0	1	0
	9	4.5		1	1	1	0	0	1	1	1	0	0	0
6	18	9		1	0	0	0	0	0	1	0	0	1	0
	27	13.5		1	0	0	1	0	0	0	0	1	1	1
6	28	14		0	0	0	1	1	1	0	0	1	1	0
	19	9.5		1	1	1	0	0	1	1	0	1	1	0
	20	10		1	1	1	0	0	1	1	1	0	0	0
	17	8.5		1	0	0	0	0	0	1	0	1	0	0
	18	9		1	1	1	0	0	1	1	1	0	0	0
6	16	8		1	1	1	0	0	1	1	1	1	1	1
6	24	12		1	0	1	0	0	1	1	1	1	0	0
	11	5.5		1	1	1	0	0	0	0	1	0	0	1
	9	4.5		1	0	0	0	0	0	1	0	1	1	1
	12	6		1	0	0	0	0	1	1	0	1	0	1
	18	9		1	0	0	0	0	1	1	0	1	1	0
	11	5.5		1	0	0	0	0	1	1	0	1	1	0
	13	6.5		1	0	0	0	0	1	1	0	0	0	1
	13	6.5		1	1	1	1	0	1	1	1	1	1	1
2	18	9		1	1	1	1	0	1	1	1	1	1	1
	11	5.5		1	1	1	1	0	1	1	1	1	1	1
	18	9		1	0	0	0	0	0	1	0	0	1	1
	15	7.5		1	0	1	0	0	0	1	0	0	0	1
	15	7.5		1	0	1	0	0	1	1	0	0	0	0
	16	8		1	0	1	0	0	0	1	0	0	1	1
	12	6		1	0	0	0	0	0	1	0	1	1	0
1	5	2.5		1	1	0	0	0	0	1	0	0	0	0
	5	2.5		1	1	1	0	0	1	0	0	0	0	1
2	12	6		1	0	0	0	0	1	1	0	0	1	1
	16	8		1	0	0	0	0	1	1	1	1	0	0
	20	10		1	1	0	0	1	1	0	0	1	0	1
2	18	9		1	0	0	0	0	0	0	0	0	0	0
6	14	7		1	1	1	1	0	1	1	0	1	1	1
	11	5.5		1	0	1	1	0	0	1	0	1	1	0
	21	10.5		1	1	0	0	0	0	1	0	1	1	1
	17	8.5		1	1	1	1	0	0	1	0	1	0	1
	20	10		1	1	0	0	0	0	1	1	0	1	0
6	23	11.5		1	1	0	0	0	0	1	0	0	1	0
	11	5.5		1	0	0	1	0	1	1	0	0	1	1
4	14	7		0	1	0	1	0	0	1	0	1	1	1

C05				C03	C03	C03	C03	C03	C03	C03	C04	C04	C04	C04	C04
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24				70	70	70	70	70	70	70	70	70	70	70
14				63	32	29	26	4	31	58	18	42	37	32
58.3				90	45.7	41.4	37.1	5.71	44	82.9	25.7	60	52.9	45.7
2.00				3.00	1.00	1.00	1.00	1.00	1.00	3.00	1.00	2.00	2.00	1.00
C05				C03	C03	C03	C03	C03	C03	C04	C04	C04	C04	C04

	Average
	1.00
	2.25
2.00	1.20

	MID12Objectiv													
C01														
C02														
C03	3.00	1.00	1.00	1.00	1.00	1.00								
C04							3.00	1.00	2.00	2.00	1.00			
C05														

Table-1	Professional Core Course (PCC)					
Indirect S	CO	Exc	Good	Poor	Attain	%
No. of stu	CO1	38	17	3	2.6	86.8
	CO2	39	15	4	2.6	86.8
	CO3	42	14	2	2.69	89.7
	CO4	40	15	3	2.64	87.9
	CO5	41	11	6	2.6	86.8
	CO6	37	16	5	2.55	85.1

CO4	CO4	CO5	CO5	CO5	CO5	CO5	CO5	CO5					
12	13	14	15	16	17	18	19	20	For 20 marks	For 10 marks	Total Mid-II marks (25)	Final Mid Marks	
1	1	1	1	1	1	1	1	1	20	10	25	25	
0	0	1	1	1	0	1	0	0	11	5.5	8.5	13	
0	1	1	0	1	0	1	1	0	11	5.5	13.5	13	
0	0	1	0	1	0	1	0	1	10	5	8	11	
0	0	1	0	0	0	1	1	0	6	3	8	12	
0	0	1	1	1	0	1	1	0	11	5.5	14	14	
1	0	1	1	1	0	1	1	0	14	7	16	16	
0	0	1	0	1	1	1	0	1	9	4.5	17.5	17	
0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	1	1	1	1	1	0	15	7.5	11.5	11	
1	0	1	1	1	1	1	1	0	16	8	15.5	16	
0	0	1	0	1	1	0	1	0	7	3.5	11.5	12	
0	0	0	0	0	0	0	0	0	0	0	0	6	
0	0	1	1	1	0	1	0	0	13	6.5	15	15	
1	0	1	1	1	0	1	1	0	11	5.5	18	17	
0	0	0	0	1	0	1	1	0	8	4	16.5	19	
0	0	1	1	0	1	0	1	0	9	4.5	13.5	16	
1	0	1	1	1	0	1	0	1	14	7	13.5	17	
0	1	0	1	1	1	1	0	1	11	5.5	8	12	
1	0	1	0	0	0	0	0	1	6	3	7.5	9	
0	0	1	1	1	1	0	1	0	11	5.5	15	17	
0	0	0	1	1	0	1	0	0	6	3	4.5	7	
1	0	0	1	1	0	1	0	0	7	3.5	13	15	
1	0	0	1	1	0	1	0	1	10	5	14.5	15	
1	1	0	1	1	0	1	0	1	12	6	12.5	14	
1	1	1	1	1	0	1	0	1	12	6	10	13	
1	1	1	1	1	0	1	0	0	11	5.5	12.5	13	
0	0	0	0	1	1	1	0	1	8	4	16	16	
0	1	1	0	1	1	1	1	0	10	5	11	14	

0	1	1	0	1	0	1	0	0	10	5	7.5	10	
0	0	0	0	1	0	1	0	1	6	3	10.5	16	
0	1	0	0	1	1	0	0	1	9	4.5	8	9	
0	1	1	0	0	0	1	0	0	8	4	5.5	9	
1	0	1	0	1	1	0	0	0	10	5	9.5	10	
0	0	0	1	1	0	1	0	0	6	3	12	17	
1	0	1	1	0	0	1	1	0	10	5	18.5	19	
0	0	0	1	1	0	1	0	1	9	4.5	18.5	19	
0	1	1	0	0	1	1	0	1	12	6	15.5	14	
0	1	1	1	1	0	1	0	0	11	5.5	15.5	17	
0	1	0	1	0	0	1	0	0	6	3	11.5	14	
1	1	1	1	1	1	0	0	0	12	6	15	14	
1	0	1	1	1	1	1	1	0	16	8	16	16	
0	0	0	1	1	0	1	0	0	9	4.5	16.5	16	
0	0	0	0	0	0	1	1	0	7	3.5	9	12	
0	1	1	0	1	0	1	0	0	9	4.5	9	9	
0	1	1	0	1	0	1	0	0	9	4.5	10.5	11	
0	1	1	1	1	0	1	0	0	10	5	14	14	
0	1	1	1	0	0	0	0	0	8	4	9.5	9	
1	1	1	1	1	1	1	0	0	11	5.5	12	14	
1	0	1	1	1	1	1	1	0	17	8.5	15	14	
1	0	1	1	1	1	1	1	0	17	8.5	17.5	16	
1	0	1	1	0	1	1	1	0	16	8	13.5	13	
1	0	1	1	1	1	0	0	1	10	5	14	14	
0	0	0	1	1	1	0	1	0	8	4	11.5	12	
0	0	0	1	1	0	1	0	0	7	3.5	11	12	
1	0	0	0	1	0	1	1	1	10	5	13	13	
0	1	1	1	0	1	1	0	0	9	4.5	10.5	15	
0	0	1	1	1	1	1	0	1	9	4.5	7	12	
0	1	1	1	1	0	1	0	0	10	5	7.5	8	
1	1	1	1	1	0	1	0	1	12	6	12	11	
1	1	1	0	1	1	0	0	0	10	5	13	12	
0	0	1	1	1	0	1	0	0	10	5	15	15	
0	0	0	0	0	0	0	0	0	1	0.5	9.5	12	
1	0	1	1	1	1	1	0	0	15	7.5	14.5	14	
0	0	1	0	1	1	0	0	0	9	4.5	10	10	
0	0	1	1	1	0	1	1	0	11	5.5	16	17	
0	0	0	1	1	0	1	0	1	11	5.5	14	14	
0	0	0	1	0	0	1	0	0	7	3.5	13.5	14	
0	0	0	0	0	0	1	1	1	7	3.5	15	17	
1	0	0	1	1	0	1	0	0	10	5	10.5	12	
0	0	0	1	1	0	1	0	0	9	4.5	11.5	11	

C04	C04	C05	C05	C05	C05	C05	C05	C05					
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70	70	70	70	70	70	70	70	70					
24	22	44	45	54	25	55	22	19					
34.3	31.4	62.9	64.3	77.1	35.7	78.6	31.4	27.1					
1.00	1.00	3.00	3.00	3.00	1.00	3.00	1.00	1.00					
C04	C04	C05	C05	C05	C05	C05	C05	C05					

/e									Average
									1.33
1.00	1.00								1.57
		3.00	3.00	3.00	1.00	3.00	1.00	1.00	2.14

C01
C02
C03
C04
C05

Assignment							Total End Marks of each student	End Exar		
CO1	CO2	CO3	CO4	CO5			60M/ Cos	CO1	CO2	CO3
1		2			Avg	Total Marks in Internal Examination	110	22	22	22
5	5	5	5	5	5	30	60	12	12	12
5	5	5	5	5	5	18	45	9	9	9
5	5	5	5	5	5	18	32	6.4	6.4	6.4
5	5	5	5	5	5	16	43	8.6	8.6	8.6
5	5	5	5	5	5	17	45	9	9	9
5	5	5	5	5	5	19	43	8.6	8.6	8.6
5	5	5	5	5	5	21	37	7.4	7.4	7.4
5	5	5	5	5	5	22	53	10.6	10.6	10.6
5	5	5	5	5	5	5	28	5.6	5.6	5.6
5	5	5	5	5	5	16	28	5.6	5.6	5.6
5	5	5	5	5	5	21	47	9.4	9.4	9.4
5	5	5	5	5	5	17	53	10.6	10.6	10.6
5	5	5	5	5	5	11	0	0	0	0
5	5	5	5	5	5	20	47	9.4	9.4	9.4
5	5	5	5	5	5	22	40	8	8	8
5	5	5	5	5	5	24	51	10.2	10.2	10.2
5	5	5	5	5	5	21	52	10.4	10.4	10.4
5	5	5	5	5	5	22	50	10	10	10
5	5	5	5	5	5	17	43	8.6	8.6	8.6
5	5	5	5	5	5	14	44	8.8	8.8	8.8
5	5	5	5	5	5	22	48	9.6	9.6	9.6
5	5	5	5	5	5	12	39	7.8	7.8	7.8
5	5	5	5	5	5	20	49	9.8	9.8	9.8
5	5	5	5	5	5	20	46	9.2	9.2	9.2
5	5	5	5	5	5	19	41	8.2	8.2	8.2
5	5	5	5	5	5	18	42	8.4	8.4	8.4
5	5	5	5	5	5	18	43	8.6	8.6	8.6
5	5	5	5	5	5	21	51	10.2	10.2	10.2
5	5	5	5	5	5	19	43	8.6	8.6	8.6

5	5	5	5	5	5	15	2	0.4	0.4	0.4
5	5	5	5	5	5	21	48	9.6	9.6	9.6
5	5	5	5	5	5	14	30	6	6	6
5	5	5	5	5	5	14	32	6.4	6.4	6.4
5	5	5	5	5	5	15	35	7	7	7
5	5	5	5	5	5	22	50	10	10	10
5	5	5	5	5	5	24	44	8.8	8.8	8.8
5	5	5	5	5	5	24	50	10	10	10
5	5	5	5	5	5	19	40	8	8	8
5	5	5	5	5	5	22	45	9	9	9
5	5	5	5	5	5	19	47	9.4	9.4	9.4
5	5	5	5	5	5	19	37	7.4	7.4	7.4
5	5	5	5	5	5	21	48	9.6	9.6	9.6
5	5	5	5	5	5	21	50	10	10	10
5	5	5	5	5	5	17	51	10.2	10.2	10.2
5	5	5	5	5	5	14	36	7.2	7.2	7.2
5	5	5	5	5	5	16	44	8.8	8.8	8.8
5	5	5	5	5	5	19	44	8.8	8.8	8.8
5	5	5	5	5	5	14	46	9.2	9.2	9.2
5	5	5	5	5	5	19	49	9.8	9.8	9.8
5	5	5	5	5	5	19	31	6.2	6.2	6.2
5	5	5	5	5	5	21	42	8.4	8.4	8.4
5	5	5	5	5	5	18	40	8	8	8
5	5	5	5	5	5	19	41	8.2	8.2	8.2
5	5	5	5	5	5	17	45	9	9	9
5	5	5	5	5	5	17	41	8.2	8.2	8.2
5	5	5	5	5	5	18	43	8.6	8.6	8.6
5	5	5	5	5	5	20	48	9.6	9.6	9.6
5	5	5	5	5	5	17	39	7.8	7.8	7.8
5	5	5	5	5	5	13	45	9	9	9
5	5	5	5	5	5	16	45	9	9	9
5	5	5	5	5	5	17	43	8.6	8.6	8.6
5	5	5	5	5	5	20	47	9.4	9.4	9.4
5	5	5	5	5	5	17	45	9	9	9
5	5	5	5	5	5	19	39	7.8	7.8	7.8
5	5	5	5	5	5	15	44	8.8	8.8	8.8
5	5	5	5	5	5	22	51	10.2	10.2	10.2
5	5	5	5	5	5	19	48	9.6	9.6	9.6
5	5	5	5	5	5	19	47	9.4	9.4	9.4
5	5	5	5	5	5	22	40	8	8	8
5	5	5	5	5	5	17	47	9.4	9.4	9.4
5	5	5	5	5	5	16	46	9.2	9.2	9.2

CO1	CO2	CO3	CO4	CO5			60M/ Cos
-----	-----	-----	-----	-----	--	--	----------

70	70	70	70	70	70		70
70	70	70	70	70	70		61
100	100	100	100	100	100		87.1429
3.00	3.00	3.00	3.00	3.00	3.00		3.00
CO1	CO2	CO3	CO4	CO5			60M/ Cos

Assignment						Average	SEE
3.00						3.00	3.00
	3.00					3.00	3.00
		3.00				3.00	3.00
			3.00			3.00	3.00
				3.00		3.00	3.00

n

CO4	CO5
22	22
12	12
9	9
6.4	6.4
8.6	8.6
9	9
8.6	8.6
7.4	7.4
10.6	10.6
5.6	5.6
5.6	5.6
9.4	9.4
10.6	10.6
0	0
9.4	9.4
8	8
10.2	10.2
10.4	10.4
10	10
8.6	8.6
8.8	8.8
9.6	9.6
7.8	7.8
9.8	9.8
9.2	9.2
8.2	8.2
8.4	8.4
8.6	8.6
10.2	10.2
8.6	8.6

0.4	0.4
9.6	9.6
6	6
6.4	6.4
7	7
10	10
8.8	8.8
10	10
8	8
9	9
9.4	9.4
7.4	7.4
9.6	9.6
10	10
10.2	10.2
7.2	7.2
8.8	8.8
8.8	8.8
9.2	9.2
9.8	9.8
6.2	6.2
8.4	8.4
8	8
8.2	8.2
9	9
8.2	8.2
8.6	8.6
9.6	9.6
7.8	7.8
9	9
9	9
8.6	8.6
9.4	9.4
9	9
7.8	7.8
8.8	8.8
10.2	10.2
9.6	9.6
9.4	9.4
8	8
9.4	9.4
9.2	9.2

MID II																				Assignment					Total End	End Semester Exam											
	CO3	CO3	CO3	CO3	CO4	CO4	CO4	CO4	CO4	CO4	CO4	CO4	CO5	CO5	CO5	CO5	CO5	CO5	CO5					CO1	CO2	CO3	CO4	CO5		Total Marks in Internal Examination	60M/ Cos	CO1	CO2	CO3	CO4	CO5	
For 20 marks	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	For 20 marks	For 10 marks	Total Mid-I marks (30)	Final Mid marks	1			2		Avg		110	22	22	22	22	22
20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	20	10	30	30	10	10	10	10	10	10	40	60	12	12	12	12	12
8	0	1	1	1	1	0	0	0	0	0	1	0	1	1	1	1	0	1	1	0	11	6	14	15	10	10	10	10	10	10	25	42	8.4	8.4	8.4	8.4	8.4
5	0	0	0	0	1	0	1	0	0	1	0	0	1	1	1	0	0	0	0	0	6	3	8	9	10	10	10	10	10	10	19	43	8.6	8.6	8.6	8.6	8.6
9	0	0	1	1	1	1	0	1	0	0	1	0	0	1	1	0	0	1	1	1	11	6	15	14	10	10	10	10	10	10	24	42	8.4	8.4	8.4	8.4	8.4
7	0	0	1	0	1	1	0	0	0	1	0	0	1	1	1	0	0	0	0	0	7	4	10	11	10	10	10	10	10	10	21	40	8	8	8	8	8
9	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	1	1	1	6	3	12	13	10	10	10	10	10	10	23	45	9	9	9	9	9
5	0	0	1	1	1	1	0	0	0	0	0	1	1	0	0	1	0	1	0	0	8	4	9	11	10	10	10	10	10	10	21	42	8.4	8.4	8.4	8.4	8.4
8	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	5	3	11	14	10	10	10	10	10	10	24	55	11	11	11	11	11
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	10	10	10	10	10	10	0	0	0	0	0	0	
7	0	1	0	1	0	0	1	0	1	1	1	1	0	1	1	1	0	0	1	0	10	5	12	13	10	10	10	10	10	10	23	32	6.4	6.4	6.4	6.4	6.4
9	1	0	0	0	0	0	1	0	0	1	0	0	1	1	0	1	0	0	0	0	6	3	12	14	10	10	10	10	10	10	24	43	8.6	8.6	8.6	8.6	8.6
7	0	0	0	1	1	1	0	0	0	0	1	1	0	1	1	0	0	0	0	0	7	4	11	16	10	10	10	10	10	10	26	50	10	10	10	10	10
12	0	0	1	1	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	5	3	15	14	10	10	10	10	10	10	24	34	6.8	6.8	6.8	6.8	6.8
16	1	1	0	0	0	0	1	0	0	1	0	1	1	1	1	0	0	0	1	0	9	5	21	18	10	10	10	10	10	10	28	54	10.8	10.8	10.8	10.8	10.8
7	0	0	0	1	0	0	1	0	1	0	1	1	0	1	1	0	0	1	0	0	8	4	11	17	10	10	10	10	10	10	27	46	9.2	9.2	9.2	9.2	9.2
9	0	1	1	1	1	1	0	0	0	0	1	1	1	0	1	1	0	0	1	0	11	6	15	20	10	10	10	10	10	10	30	53	10.6	10.6	10.6	10.6	10.6
11	0	0	0	1	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	4	2	13	16	10	10	10	10	10	10	26	53	10.6	10.6	10.6	10.6	10.6
11	0	1	0	0	1	0	1	0	0	0	1	1	1	1	1	0	0	1	1	1	12	6	17	14	10	10	10	10	10	10	24	50	10	10	10	10	10
8	1	1	0	0	1	0	0	0	0	0	0	0	1	1	1	0	0	0	1	0	7	4	12	13	10	10	10	10	10	10	23	48	9.6	9.6	9.6	9.6	9.6
8	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	1	4	2	10	10	10	10	10	10	10	10	20	54	10.8	10.8	10.8	10.8	10.8
11	0	0	0	1	1	1	1	1	1	0	1	1	1	1	1	0	0	0	1	0	12	6	17	18	10	10	10	10	10	10	28	47	9.4	9.4	9.4	9.4	9.4
6	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	1	4	2	8	9	10	10	10	10	10	10	19	40	8	8	8	8	8
9	1	1	0	0	0	0	1	1	0	0	0	1	0	0	1	1	0	0	1	0	8	4	13	13	10	10	10	10	10	10	23	50	10	10	10	10	10
15	0	0	0	0	0	1	1	0	0	1	1	0	0	0	0	1	0	0	0	1	7	4	18	19	10	10	10	10	10	10	29	50	10	10	10	10	10
11	0	0	0	0	0	1	0	0	0	0	0	1	0	0	1	1	0	0	1	1	6	3	14	14	10	10	10	10	10	10	24	48	9.6	9.6	9.6	9.6	9.6
8	0	1	0	0	0	1	1	0	0	1	1	0	1	1	0	1	0	0	1	0	9	5	13	13	10	10	10	10	10	10	23	43	8.6	8.6	8.6	8.6	8.6
5	0	0	1	1	0	0	1	1	0	0	0	1	0	1	1	1	0	0	1	1	10	5	10	15	10	10	10	10	10	10	25	46	9.2	9.2	9.2	9.2	9.2
16	0	1	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	1	4	2	18	18	10	10	10	10	10	10	28	55	11	11	11	11	11
9	0	1	0	1	0	0	0	0	0	1	1	1	0	1	1	0	0	0	0	0	8	4	13	17	10	10	10	10	10	10	27	55	11	11	11	11	11
5	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	1	0	0	1	5	3	8	9	10	10	10	10	10	10	19	28	5.6	5.6	5.6	5.6	5.6
15	0	1	0	0	1	1	0	0	1	0	1	1	0	1	1	0	0	1	1	0	10	5	20	19	10	10	10	10	10	10	29	50	10	10	10	10	10
8	1	0	0	0	0	0	1	1	0	0	1	1	0	0	1	0	0	1	1	0	8	4	12	12	10	10	10	10	10	10	22	50	10	10	10	10	10
8	1	0	0	1	1	1	0	0	0	1	0	0	0	1	0	0	1	0	0	0	7	4	12	11	10	10	10	10	10	10	21	42	8.4	8.4	8.4	8.4	8.4
12	1	0	0	1	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	5	3	15	14	10	10	10	10	10	10	24	35	7	7	7	7	7
13	0	0	0	0	1	0	1	1	0	1	1	0	1	1	1	0	0	1	1	0	10	5	18	18	10	10	10	10	10	10	28	50	10	10	10	10	10
13	0	0	0	1	1	1	1	0	1	1	1	1	0	1	1	1	0	0	1	1	13	7	20	22	10	10	10	10	10	10	32	49	9.8	9.8	9.8	9.8	9.8
12	1	0	1	0	0	0	0	0	0	0	1	1	0	1	1	0	0	0	0	0	6	3	15	15	10	10	10	10	10	10	25	50	10	10	10	10	10
9	0	1	0	1	0	0	1	0	1	1	0	0	1	1	1	1	0	0	0	0	9	5	13	13	10	10	10	10	10	10	23	45	9	9	9	9	9
11	0	0	0	0	0	1	1	0	0	0	0	0	1	0	1	1	0	0	1	1	7	4	15	18	10	10	10	10	10	10	28	53	10.6				

Course Name :	Chemical Reaction Engineering
Course Code :	20A50801
Semester :	III Year I Semester
Batch :	2020- 2024
Academic Year:	2023 - 2024
Faulty Name	Dr. B. Dilip Kumar

Course Outcomes:		CO1	CO1	CO1	CO1	CO2	CO2	CO2	CO2	CO1	CO1	
S.No.	Roll No./ Question no./Max. Marks	1a	1 b	2a	2b	3a	3b	4a	4b	5	6	For 30 marks
		5	5	5	5	5	5	5	5	10	10	30
1	20001A0801	5	5					3	3	3	0	19
2	20001A0802		5			5	5			5		20
3	20001A0803		4							1		5
4	20001A0804		4			2				5		11
5	20001A0805	5	5			5	5				7	27
6	20001A0806	5	5			5				3		18
7	20001A0807			5	4	1	4				10	24
8	20001A0808	5	5					4	3	6		23
9	20001A0809	4	5			1	3			3		16
10	20001A0810	4						1		3		8
11	20001A0812		5				3				3	11
12	20001A0813	5	5			2	2				5	19
13	20001A0814			5	2			4	3	10		24
14	20001A0815		2							6		8
15	20001A0816	5	2				2			4		13
16	20001A0818	5	5			5	2			2		19
17	20001A0819	5	5			4	3				7	24
18	20001A0820	5	2			5	4			10		26
19	20001A0821			5	5	5					5	20
20	20001A0822			2		4	2			6		14
21	20001A0823	5	5			5	1				3	19
22	20001A0824										3	3
23	20001A0825	5	5					5	1	7		23
24	20001A0826	5	5			5					3	18
25	20001A0829	5	5			2	3			10		25
26	20001A0830	5	2			5	2			3		17
27	20001A0831	5	5							3	5	18
28	20001A0832									5		5
29	20001A0833	5	2					2	1	5		15
30	20001A0834	3	4			2	3			6		18
31	20001A0835	4	4					4	3		6	21

32	20001A0837	5	3			4	3			10		25
33	20001A0838							2	1	7		10
34	20001A0839			5	5			4	3	10		27
35	20001A0840			4	2			3		3		12
36	20001A0841			5				3	1	2		11
37	20001A0842	2	5			5	3			6		21
38	20001A0843			3	3	2				5		13
39	20001A0844	5								3		8
40	20001A0845		5			2	2			10		19
41	20001A0846	5	5			5	3			5		23
42	20001A0847			3	2			2	3	1		11
43	20001A0848	5	5			5	4			4		23
44	20001A0849	5	5			5	2			6		23
45	20001A0850	5	2			4				7		18
46	20001A0851			2	3	4	2			10		21
47	20001A0852	5	3							6	4	18
48	20001A0853	5	5			5		5		10		30
49	20001A0854	2	5				2			6		15
50	20001A0855	5	5			5	3			3		21
51	20001A0858	5	5	5	4	2	3	2	3	3		32
52	20001A0859	5								3	4	12
53	20001A0860	5	5			5	3			10		28
54	20001A0862	5	5					4		5		19
55	20001A0863	3	5					3	2	6		19
56	20001A0864			3	2			3	5		3	16
57	20001A0865	5	3			2	2			6		18
58	20001A0866	5	5					4	3	6		23
59	19001A0845	5	3							3	1	12
60	21005A0801	5	5							5		15
61	21005A0802	A	A	A	A	A	A	A	A	A	A	A
62	21005A0803								1	2	2	5
63	21005A0804	3		3	2			2			4	14
64	21005A0805	3	5			1	2			3		14
65	21005A0806		5			2	2				3	12
66	21005A0807	5	2			2	2				6	17
Course Outcomes:		CO1	CO1	CO1	CO1	CO2	CO2	CO2	CO2	CO1	CO1	
No. of Students Attempted for the Question		43	46	13	11	34	30	19	15	51	20	
No. of students got >=70% marks		37	35	7	4	21	5	8	1	12	3	
No. students got >=60-69% marks		4	4	4	2	0	11	5	8	11	2	
No. students got >=40-59% marks		2	7	2	5	10	13	5	1	10	6	
No. students got <40 % marks		0	0	0	0	3	1	1	5	18	9	

attainment level 3 if % >=70, 2 if % >=60, 1 if % >=50, 0 for others	1.83	1.82	0.47	0.32	1.11	0.76	0.59	0.30	1.03	0.29	
Course Outcomes:	CO1	CO1	CO1	CO1	CO2	CO2	CO2	CO2	CO1	CO1	

Important Points to be considered:

1. No. of students may change from year to year.
2. Please verify the Batch, AY, Regulation.
3. Please verify the articulation matrix No. of CO's for each subject.
4. Please check the formulae before data entry and finalizing

MID I

		CO1	CO1	CO1	CO1	CO1	CO1	CO1	CO1	CO1	CO1	CO1	CO2
For 15 marks		1	2	3	4	5	6	7	8	9	10	11	12
15		1	1	1	1	1	1	1	1	1	1	1	1
10		0	1	0	0	1	1	0	0	1	1	0	1
10		0	1	0	0	1	1	0	1	0	1	1	1
3		1	0	1	0	1	0	0	0	0	0	1	0
6		0	0	0	0	1	1	0	0	1	0	0	0
14		0	1	0	1	1	1	1	0	1	1	0	1
9		0	1	0	1	1	1	0	0	0	0	0	1
12		0	1	0	1	0	1	1	0	0	1	0	0
12		0	1	0	1	1	1	1	0	1	1	0	0
8		0	0	0	0	1	0	1	0	0	0	0	0
4		0	1	0	0	0	1	1	0	1	1	0	1
6		0	0	0	0	1	1	0	0	0	0	0	1
10		0	1	0	1	0	1	0	0	1	1	0	1
12		0	0	0	1	1	1	1	0	1	1	0	1
4		1	1	0	1	1	1	0	0	0	0	0	0
7		0	0	0	0	1	0	1	0	0	0	1	0
10		0	0	0	0	0	1	1	0	1	1	0	1
12		0	0	0	1	0	1	1	1	1	0	0	1
13		0	0	0	0	1	1	1	0	0	0	0	1
10		0	0	1	1	0	0	1	0	1	0	0	1
7		0	1	0	1	1	1	0	0	0	1	0	1
10		0	1	1	1	1	0	1	0	1	0	1	1
2		0	1	0	1	0	0	1	1	1	0	0	1
12		0	1	0	1	1	1	0	1	1	0	0	1
9		0	1	0	1	1	1	0	1	1	1	0	0
13		0	0	0	1	1	1	1	0	1	0	0	1
9		0	0	0	0	1	1	0	1	1	0	0	1
9		0	1	0	1	0	1	1	0	1	1	0	1
3		0	0	0	0	0	0	0	0	0	1	0	1
8		0	0	0	0	1	1	0	1	0	0	0	1
9		0	0	0	1	1	1	0	0	1	1	1	0
11		0	1	0	1	1	1	0	0	1	1	0	1

13		0	0	0	1	1	1	1	0	1	0	0	1
5		0	1	0	1	0	1	0	1	0	0	0	0
14		0	0	0	0	1	1	1	0	1	1	0	0
6		0	0	0	0	0	0	1	1	0	0	0	0
6		0	0	0	1	1	0	1	1	1	0	0	0
11		0	1	0	1	0	1	0	1	1	1	0	0
7		0	1	0	0	1	0	0	1	0	0	0	0
4		0	0	0	0	0	0	0	0	1	0	0	1
10		0	1	1	1	0	1	1	0	1	0	0	0
12		0	1	1	1	1	1	1	0	1	1	0	0
6		0	0	0	0	1	1	1	0	0	0	0	0
12		0	1	0	0	1	1	0	0	0	0	0	0
12		0	0	0	0	1	1	1	0	0	1	0	0
9		0	1	0	0	1	1	1	0	1	1	0	1
11		0	1	0	1	1	1	0	0	1	1	0	0
9		0	1	0	1	0	1	1	0	1	1	0	1
15		0	1	1	1	0	1	1	0	1	1	0	1
8		0	1	0	0	1	0	0	0	1	0	0	1
11		1	0	0	1	0	1	0	1	1	0	0	1
16		0	1	1	1	1	1	1	0	1	0	0	1
6		0	1	0	0	1	1	1	0	1	1	0	1
14		0	0	0	0	1	1	0	0	1	1	1	1
10		0	0	0	1	0	0	1	0	0	0	0	0
10		1	1	0	0	0	1	1	0	1	0	0	1
8		0	1	1	1	0	0	0	0	0	0	0	1
9		0	0	0	1	0	1	0	0	1	1	0	0
12		0	0	0	0	1	1	0	0	1	1	0	1
6		0	0	1	1	1	1	1	1	0	0	0	0
8		0	0	1	0	0	0	1	0	1	0	0	0
A		A	A	A	A	A	A	A	A	A	A	A	A
3		0	0	1	0	0	0	1	0	0	1	0	0
7		0	0	0	0	1	0	1	0	0	0	0	0
7		0	1	0	1	0	0	0	0	0	0	0	0
6		0	1	0	0	0	0	0	0	1	1	1	0
9		0	1	1	1	0	0	0	1	1	1	0	0
		CO1	CO1	CO1	CO1	CO1	CO1	CO1	CO1	CO1	CO1	CO1	CO2
		65	65	65	65	65	65	65	65	65	65	65	65
		4	34	12	35	39	45	34	15	41	30	7	35
		0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0
		61	31	53	30	26	20	31	50	24	35	58	30

	0.00	0.18	1.55	0.55	1.59	1.77	2.05	1.55	0.68	1.86	1.36	0.32	1.59
		CO1	CO1	CO1	CO1	CO1	CO1	CO1	CO1	CO1	CO1	CO1	CO2

Direct Attainment

	Mid 1	Quiz 1	Mid 2	Quiz 2	Assignment	Internal Total	40% of Internal	External Total
CO1	1.77	1.22			3	2.00	0.80	1.77
CO2	0.69	1.87			3	1.85	0.74	1.77
CO3			0.29	2.06	3	1.78	0.71	1.77
CO4			0.98	1.86	3	1.95	0.78	1.77
CO5			0.59	1.51	3	1.70	0.68	1.77

CO - PO Articulation Matrix

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	2	2	1	1	2	1	2	1	1	2
CO2	3	3	3	2	1	1	1	1	1	1	1	2
CO3	2	3	3	2	1	1	2	1	1	1	1	1
CO4	3	2	3	1	1	1	1	1	2	1	1	3
CO5	2	3	1	1	1	1	2	1	2	1	1	2
	13	13	12	8	5	5	8	5	8	5	5	10

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1.98	1.32	1.32	1.32	0.66	0.66	1.32	0.66	1.32	0.66	0.66	1.32
CO2	1.98	1.98	1.98	1.32	0.66	0.66	0.66	0.66	0.66	0.66	0.66	1.32
CO3	1.32	1.98	1.98	1.32	0.66	0.66	1.32	0.66	0.66	0.66	0.66	0.66
CO4	1.98	1.32	1.98	0.66	0.66	0.66	0.66	0.66	1.32	0.66	0.66	1.98
CO5	1.32	1.98	0.66	0.66	0.66	0.66	1.32	0.66	1.32	0.66	0.66	1.32
	1.71	1.71	1.58	1.06	0.66	0.66	1.06	0.66	1.06	0.66	0.66	1.32

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
	1.71	1.71	1.58	1.06	0.66	0.66	1.06	0.66	1.06	0.66	0.66	1.32

C02	C02	C02	C02	C02	C02	C02	C02					C03	C03	C04
13	14	15	16	17	18	19	20	For 20 marks	For 10 marks	Total Mid-I marks (30)		1	2	3
1	1	1	1	1	1	1	1	20	10	25		10	10	10
1	0	1	1	1	1	1	0	12	6	16		2		8
0	1	1	0	1	1	1	1	13	7	17		2		7
0	1	1	1	1	0	1	1	10	5	8			3	
0	0	0	0	1	0	1	0	5	3	8			7	10
1	1	1	1	0	1	1	1	15	8	21		3		9
0	0	1	0	1	1	1	1	10	5	14			5	3
1	0	1	0	1	1	1	1	11	6	18			7	
1	1	1	1	1	1	1	1	15	8	19		2		10
0	0	1	1	1	0	1	1	7	4	12		1		3
0	0	1	0	0	1	1	1	10	5	9		3		3
1	0	0	0	1	0	1	0	6	3	9		3		10
0	1	0	1	1	0	0	1	10	5	15		2		
0	1	1	1	1	1	1	1	14	7	19		1		9
1	0	0	1	0	1	1	1	10	5	9				
1	1	0	1	1	1	1	1	10	5	12		2		
0	1	1	1	1	1	1	0	11	6	15		2		9
1	0	1	0	1	1	1	1	12	6	18				9
0	1	1	1	1	0	1	1	10	5	18		4		
1	1	1	1	1	0	1	0	11	6	16		2		5
1	0	1	0	1	1	1	1	12	6	13				2
0	0	1	0	1	0	1	1	12	6	16		2		8
0	1	1	0	1	0	1	0	10	5	7				
1	1	1	0	1	0	1	1	13	7	18				7
1	1	1	1	0	1	1	1	14	7	16				10
1	0	1	1	1	1	1	1	13	7	19		3		7
1	0	1	0	1	0	1	0	9	5	13			7	
1	0	1	1	1	1	1	0	13	7	16		2		9
0	0	0	1	0	0	1	0	4	2	5		1		
0	0	1	0	1	0	1	0	7	4	11				9
1	1	1	0	1	1	0	1	12	6	15			3	2
1	0	0	0	1	1	1	1	12	6	17				9

1	1	1	1	1	0	1	1	13	7	19			9	7
1	0	1	1	1	1	1	1	11	6	11				
1	0	1	0	1	1	1	0	10	5	19		3		9
0	1	1	0	1	0	1	0	6	3	9		3		3
1	1	1	0	1	0	1	0	10	5	11				6
1	1	1	0	1	1	1	0	12	6	17		1		7
0	1	0	0	1	0	1	1	7	4	10				10
0	0	0	0	1	1	0	1	5	3	7		2		
1	1	1	1	1	1	1	1	14	7	17		2		7
1	1	1	1	1	1	1	1	16	8	20				
0	1	1	0	0	1	1	0	7	4	9		2		10
1	1	1	0	1	0	1	0	8	4	16		3		3
0	0	1	0	1	1	1	1	9	5	16		6		7
1	0	1	1	1	1	1	1	14	7	16			9	
0	0	1	0	1	1	1	0	10	5	16		2		
0	0	1	0	1	1	1	1	12	6	15			3	
1	1	1	1	1	1	1	1	16	8	23			7	10
0	0	1	0	1	1	1	1	9	5	12			8	
1	0	1	1	1	1	1	1	13	7	17		2		2
1	1	1	0	1	1	1	1	15	8	24			7	10
1	1	0	1	1	0	0	0	11	6	12				
1	1	1	0	1	1	1	1	13	7	21			9	
1	0	0	0	1	1	1	1	7	4	13			2	9
1	1	0	0	1	0	1	0	10	5	15		2		8
1	0	0	1	0	0	0	0	6	3	11				4
1	1	0	1	1	1	1	1	11	6	15		2		9
1	1	1	0	1	1	1	0	11	6	17			3	7
1	0	1	0	1	1	1	0	11	6	12		3		6
0	1	1	0	0	0	1	0	6	3	11			5	9
A	A	A	A	A	A	A	A	A	A	A		3		10
0	0	0	0	0	1	0	0	4	2	5				3
0	0	1	0	0	0	0	0	3	2	9			7	6
0	0	1	0	0	1	1	0	5	3	10			8	9
1	0	1	1	1	1	1	0	10	5	11				9
1	0	0	0	1	0	1	0	9	5	13		2		6
C02	C02	C02	C02	C02	C02	C02	C02					C03	C03	C04
65	65	65	65	65	65	65	65					32	18	48
39	31	49	27	54	41	58	37					0	11	33
0	0	0	0	0	0	0	0					1	0	4
0	0	0	0	0	0	0	0					1	2	2
26	34	16	38	11	24	7	28					30	5	9

1.77	1.41	2.23	1.23	2.45	1.86	2.64	1.68					0.05	0.53	1.65
C02	C02	C02	C02	C02	C02	C02	C02					C03	C03	C04

Final Total	60 % of External	Final Direct Attainment Value (FDAV)	80 % of FDAV	Indirect Attainment		Final Attainment	
				Course End Survey (CES) (100%)	20 % of CES	80 % FDAV + 20 % CES	
76	1.1	1.85	1.48	2.48	0.496	1.98	
76	1.1	1.80	1.44	2.48	0.496	1.93	
76	1.1	1.77	1.41	2.56	0.512	1.93	
76	1.1	1.83	1.47	2.51	0.502	1.97	
76	1.1	1.73	1.39	2.48	0.496	1.88	

PSO1	PSO2	PSO3
2	1	2
2	2	1
2	1	2
1	2	2
2	2	1
9	8	8

PSO1	PSO2	PSO3
1.32	0.66	1.32
1.32	1.32	0.66
1.32	0.66	1.32
0.66	1.32	1.32
1.32	1.32	0.66
1.19	1.06	1.06
PSO1	PSO2	PSO3
1.19	1.06	1.06

MID II

C04	C05	C05				C03	C03	C03	C03	C03	C04	C04	C04	C05
4	5	6	For 30 marks	For 15 marks		1	2	3	4	5	6	7	8	9
10	10	10	30	15		1	1	1	1	1	1	1	1	1
		10	20	10		1	1	1	1	1	1	1	0	1
7			16	8		1	1	1	1	1	1	1	0	0
			3	2		1	1	0	0	1	0	1	1	1
	4		21	11		1	1	1	0	1	0	1	0	1
	8		20	10		1	1	1	1	1	1	1	0	1
	10		18	9		1	1	1	1	1	1	0	1	1
7		9	23	12		0	1	0	1	1	1	0	1	1
		4	16	8		1	1	1	1	1	1	1	0	1
			4	2		0	1	1	1	1	1	0	0	0
			6	3		1	0	0	1	1	1	1	1	0
	10		23	12		0	1	0	0	1	1	0	0	1
	3		5	3		1	1	0	1	1	1	1	1	0
	3		13	7		1	1	0	1	1	1	0	1	1
			0	0		1	0	0	0	0	1	1	1	1
4		3	9	5		1	1	1	1	1	1	0	0	1
0	10	0	21	11		1	1	1	1	1	0	0	0	1
	5		14	7		0	0	0	0	1	1	0	1	1
6			10	5		1	1	0	0	1	0	1	0	1
	3		10	5		1	0	1	1	1	1	1	0	1
		5	7	4		1	0	0	0	0	0	1	0	1
		4	14	7		1	1	1	1	1	1	1	1	1
	5		5	3		0	0	1	1	0	1	0	1	1
	4		11	6		0	1	0	0	1	1	0	0	1
		8	18	9		1	1	1	1	1	1	1	0	1
	3		13	7		1	1	1	0	1	1	1	1	1
4	7		18	9		1	1	1	1	1	1	0	1	0
		8	19	10		1	1	1	0	0	1	1	0	1
3	2		6	3		1	1	1	0	0	0	0	1	1
	3		12	6		1	1	1	0	1	0	1	0	1
		10	15	8		1	1	1	1	1	1	1	1	1
			9	5		1	0	1	1	1	1	1	1	1

	7		23	12		1	1	0	1	1	1	1	1	0
4	9		13	7		1	1	0	1	1	1	1	1	1
		6	18	9		0	1	0	1	1	1	0	0	1
		4	10	5		0	1	0	0	0	1	0	0	0
		4	10	5		0	1	1	1	1	1	1	1	1
		6	14	7		0	1	1	0	1	1	0	1	1
		3	13	7		0	1	0	1	0	0	1	0	0
2	5		9	5		0	1	0	1	1	0	1	0	1
			9	5		1	1	1	0	1	1	1	0	0
5	4		9	5		1	1	1	1	1	1	1	1	1
		3	15	8		1	1	1	1	1	1	1	1	1
		3	9	5		1	1	0	0	1	0	0	0	1
	4		17	9		1	0	1	0	0	1	0	0	0
5	9		23	12		1	1	0	1	1	1	0	0	1
4		6	12	6		0	1	1	0	1	1	0	1	1
6		6	15	8		1	1	1	0	1	1	1	0	1
			17	9		0	1	1	1	1	0	1	1	1
		3	11	6		0	1	1	0	0	1	1	0	0
			4	2		0	1	0	1	0	1	0	0	1
	5		22	11		0	1	1	0	1	0	1	1	1
	8		8	4		0	1	0	0	1	1	1	1	1
9	10		28	14		1	1	1	1	1	1	1	1	1
		10	21	11		1	1	1	1	1	1	1	1	1
	6		16	8		1	1	1	1	1	0	1	1	1
		5	9	5		0	0	0	0	0	1	1	0	0
	6		17	9		1	1	0	0	1	1	0	0	0
	3		13	7		1	1	1	0	1	1	1	0	1
	3		12	6		1	1	1	1	1	1	1	0	1
		5	19	10		0	1	1	0	1	1	0	0	0
		5	18	9		0	1	0	0	1	1	1	1	1
			3	2		1	0	1	1	0	0	1	0	1
	5		18	9		0	1	0	0	0	0	0	1	0
		5	22	11		0	1	1	0	1	1	0	1	1
5			14	7		0	0	1	1	1	0	0	1	1
		3	11	6		1	1	1	0	1	1	1	0	1
C04	C05	C05				C03	C03	C03	C03	C03	C04	C04	C04	C05
15	29	26				66	66	66	66	66	66	66	66	66
3	10	6				42	55	41	36	53	50	41	32	51
2	2	4				0	0	0	0	0	0	0	0	0
7	9	9				0	0	0	0	0	0	0	0	0
3	8	7				24	11	25	30	13	16	25	34	15

0.30	0.65	0.53				1.91	2.50	1.86	1.64	2.41	2.27	1.86	1.45	2.32
CO4	CO5	CO5				CO3	CO3	CO3	CO3	CO3	CO4	CO4	CO4	CO5

Table-1

Indirect Survey	Core Course (PCC)					
	CO	Exc	Good	Poor	Attai ment	%
	CO1	38	17	3	2.48	82.51
	CO2	39	15	4	2.48	82.51
	CO3	42	14	2	2.56	85.25
No. of studensts: 58	CO4	40	15	3	2.51	83.61

C05	C05	C05	C05	C05	C05	C05	C05	C05	C05	C05			
10	11	12	13	14	15	16	17	18	19	20	For 20 marks	For 10 marks	Total Mid-I marks (30)
1	1	1	1	1	1	1	1	1	1	1	20	10	25
1	1	0	1	1	0	1	0	1	1	1	16	8	18
1	1	1	1	1	1	1	1	0	0	1	16	8	16
0	1	1	0	0	0	0	0	0	1	1	10	5	7
1	1	0	1	1	0	1	0	0	0	1	12	6	17
1	1	1	0	1	1	0	0	0	0	0	13	7	17
1	0	1	1	0	0	0	0	0	0	1	12	6	15
1	1	0	1	0	1	0	0	0	0	0	10	5	17
1	1	0	1	1	1	0	0	0	0	1	14	7	15
0	0	0	1	1	0	1	0	0	0	1	9	5	7
0	0	0	1	0	0	0	1	1	0	1	10	5	8
1	1	1	1	1	1	1	0	1	0	1	13	7	18
0	1	0	0	0	0	0	0	0	0	1	9	5	7
1	1	1	1	1	0	1	0	1	0	1	15	8	14
1	0	0	1	0	1	1	1	0	0	1	11	6	6
1	0	0	1	0	1	0	0	1	0	0	11	6	10
0	1	0	1	0	1	0	1	0	1	1	12	6	17
0	1	1	0	0	0	0	0	0	1	1	8	4	11
1	0	0	0	1	0	0	0	0	0	0	7	4	9
1	0	0	1	1	1	0	0	0	1	1	13	7	12
1	0	0	0	0	0	0	0	1	0	1	6	3	7
1	0	1	1	1	1	1	1	0	1	1	18	9	16
1	0	0	0	0	0	0	1	1	0	0	8	4	7
1	1	0	0	0	0	0	0	1	0	1	8	4	10
1	1	1	1	0	1	1	0	1	0	1	16	8	17
0	1	1	0	1	0	0	0	0	1	1	13	7	13
1	1	1	0	1	0	1	0	0	0	1	13	7	16
0	1	0	1	1	1	1	1	1	0	0	13	7	16
0	1	0	1	0	1	1	0	0	0	0	9	5	8
0	0	1	1	0	0	0	0	0	0	1	9	5	11
1	1	0	1	1	1	1	1	1	0	1	18	9	17
0	0	0	1	0	0	1	0	0	0	0	10	5	10

1	1	0	0	1	0	0	1	0	0	0	11	6	17
0	0	0	1	0	0	0	1	0	0	0	10	5	12
0	0	1	1	0	0	0	0	0	0	0	7	4	13
1	0	1	0	0	1	0	0	0	0	0	5	3	8
0	0	1	1	0	0	0	0	0	0	1	11	6	11
1	1	1	1	1	1	0	1	0	0	0	13	7	14
1	0	0	1	1	0	0	0	0	0	0	6	3	10
1	1	0	1	1	1	1	0	0	0	0	11	6	10
0	1	1	0	1	1	1	0	1	0	0	12	6	11
1	0	1	1	1	1	1	1	1	1	1	19	10	14
1	0	1	1	1	1	1	1	1	1	1	19	10	17
0	0	0	1	0	1	0	0	0	0	1	7	4	8
1	1	1	1	1	1	0	0	1	0	1	11	6	14
1	1	1	1	1	1	1	1	0	0	1	15	8	19
0	1	0	1	1	1	0	0	0	1	0	11	6	12
0	0	1	1	0	1	1	0	1	0	1	13	7	14
1	1	1	1	0	1	1	1	0	1	1	16	8	17
0	0	0	1	0	0	0	1	1	0	1	8	4	10
1	0	0	1	0	0	1	1	0	0	1	9	5	7
1	0	1	1	1	1	0	1	0	1	1	14	7	18
0	0	1	1	0	0	1	0	0	1	1	11	6	10
0	1	1	1	1	1	1	1	1	1	1	19	10	24
1	1	0	0	0	0	0	0	0	0	1	12	6	17
1	0	1	1	1	1	0	1	1	0	1	16	8	16
1	0	0	0	0	0	0	0	0	1	0	4	2	7
1	0	1	0	1	0	0	1	1	1	1	11	6	14
0	0	0	0	1	1	0	0	0	0	1	10	5	12
1	1	1	0	1	1	0	0	0	0	0	13	7	13
1	0	0	0	1	0	0	1	0	1	1	9	5	14
1	0	1	1	1	0	0	0	0	0	0	10	5	14
0	0	0	0	1	0	0	1	0	0	1	8	4	6
0	1	0	0	1	1	1	0	0	0	0	6	3	12
0	1	0	1	1	0	0	0	1	1	0	11	6	17
1	1	0	1	1	0	0	0	0	0	1	10	5	12
1	0	0	0	1	0	0	0	0	0	0	9	5	10
C05	C05	C05	C05	C05	C05	C05	C05	C05	C05	C05			
66	66	66	66	66	66	66	66	66	66	66			
41	33	30	44	38	32	25	23	21	18	43			
0	0	0	0	0	0	0	0	0	0	0			
0	0	0	0	0	0	0	0	0	0	0			
25	33	36	22	28	34	41	43	45	48	23			

[illegible]

	Assignment							Total End Marks of each student	End S	
	CO1	CO2	CO3	CO4	CO5			60M/ Cos	CO1	CO2
Final Mid marks	1		2			Average	Total Marks in Internal Examination	110	22	22
25	5	5	5	5	5	5	30	70	14	14
18	5	5	5	5	5	5	23	61	12.2	12.2
16	5	5	5	5	5	5	21	58	11.6	11.6
7	5	5	5	5	5	5	12	28	5.6	5.6
15	5	5	5	5	5	5	20	48	9.6	9.6
20	5	5	5	5	5	5	25	48	9.6	9.6
15	5	5	5	5	5	5	20	34	6.8	6.8
17	5	5	5	5	5	5	22	50	10	10
18	5	5	5	5	5	5	23	54	10.8	10.8
11	5	5	5	5	5	5	16	27	5.4	5.4
9	5	5	5	5	5	5	14	41	8.2	8.2
16	5	5	5	5	5	5	21	48	9.6	9.6
13	5	5	5	5	5	5	18	35	7	7
18	5	5	5	5	5	5	23	60	12	12
8	5	5	5	5	5	5	13	16	3.2	3.2
11	5	5	5	5	5	5	16	36	7.2	7.2
16	5	5	5	5	5	5	21	51	10.2	10.2
17	5	5	5	5	5	5	22	53	10.6	10.6
16	5	5	5	5	5	5	21	47	9.4	9.4
15	5	5	5	5	5	5	20	34	6.8	6.8
12	5	5	5	5	5	5	17	30	6	6
16	5	5	5	5	5	5	21	39	7.8	7.8
7	5	5	5	5	5	5	12	31	6.2	6.2
16	5	5	5	5	5	5	21	39	7.8	7.8
17	5	5	5	5	5	5	22	43	8.6	8.6
18	5	5	5	5	5	5	23	59	11.8	11.8
15	5	5	5	5	5	5	20	50	10	10
16	5	5	5	5	5	5	21	51	10.2	10.2
7	5	5	5	5	5	5	12	36	7.2	7.2
11	5	5	5	5	5	5	16	38	7.6	7.6
16	5	5	5	5	5	5	21	54	10.8	10.8
15	5	5	5	5	5	5	20	33	6.6	6.6

19	5	5	5	5	5	5	24	39	7.8	7.8
11	5	5	5	5	5	5	16	44	8.8	8.8
17	5	5	5	5	5	5	22	49	9.8	9.8
9	5	5	5	5	5	5	14	50	10	10
11	5	5	5	5	5	5	16	36	7.2	7.2
16	5	5	5	5	5	5	21	44	8.8	8.8
10	5	5	5	5	5	5	15	38	7.6	7.6
9	5	5	5	5	5	5	14	40	8	8
15	5	5	5	5	5	5	20	54	10.8	10.8
18	5	5	5	5	5	5	23	46	9.2	9.2
15	5	5	5	5	5	5	20	46	9.2	9.2
14	5	5	5	5	5	5	19	33	6.6	6.6
16	5	5	5	5	5	5	21	40	8	8
18	5	5	5	5	5	5	23	51	10.2	10.2
15	5	5	5	5	5	5	20	32	6.4	6.4
15	5	5	5	5	5	5	20	54	10.8	10.8
22	5	5	5	5	5	5	27	58	11.6	11.6
12	5	5	5	5	5	5	17	37	7.4	7.4
15	5	5	5	5	5	5	20	34	6.8	6.8
22	5	5	5	5	5	5	27	42	8.4	8.4
11	5	5	5	5	5	5	16	43	8.6	8.6
23	5	5	5	5	5	5	28	49	9.8	9.8
16	5	5	5	5	5	5	21	48	9.6	9.6
16	5	5	5	5	5	5	21	37	7.4	7.4
10	5	5	5	5	5	5	15	30	6	6
14	5	5	5	5	5	5	19	51	10.2	10.2
16	5	5	5	5	5	5	21	38	7.6	7.6
12	5	5	5	5	5	5	17	54	10.8	10.8
13	5	5	5	5	5	5	18	47	9.4	9.4
14	5	5	5	5	5	5	19	34	6.8	6.8
5	5	5	5	5	5	5	10	11	2.2	2.2
11	5	5	5	5	5	5	16	47	9.4	9.4
15	5	5	5	5	5	5	20	36	7.2	7.2
12	5	5	5	5	5	5	17	37	7.4	7.4
12	5	5	5	5	5	5	17	25	5	5
	CO1	CO2	CO3	CO4	CO5			60M/ Cos	CO1	CO2
	66	66	66	66	66			66	66	66
	66	66	66	66	66			20	20	20
	0	0	0	0	0			14	14	14
	0	0	0	0	0			28	28	28
	0	0	0	0	0			4	4	4

		3.00	3.00	3.00	3.00	3.00				1.76	1.76	1.76
		C01	C02	C03	C04	C05				60M/ Cos	C01	C02

emester Exam		
C03	C04	C05
22	22	22
14	14	14
12.2	12.2	12.2
11.6	11.6	11.6
5.6	5.6	5.6
9.6	9.6	9.6
9.6	9.6	9.6
6.8	6.8	6.8
10	10	10
10.8	10.8	10.8
5.4	5.4	5.4
8.2	8.2	8.2
9.6	9.6	9.6
7	7	7
12	12	12
3.2	3.2	3.2
7.2	7.2	7.2
10.2	10.2	10.2
10.6	10.6	10.6
9.4	9.4	9.4
6.8	6.8	6.8
6	6	6
7.8	7.8	7.8
6.2	6.2	6.2
7.8	7.8	7.8
8.6	8.6	8.6
11.8	11.8	11.8
10	10	10
10.2	10.2	10.2
7.2	7.2	7.2
7.6	7.6	7.6
10.8	10.8	10.8
6.6	6.6	6.6

Total 100

100
84
79
40
68
73
54
72
77
43
55
69
53
83
29
52
72
75
68
54
47
60
43
60
65
82
70
72
48
54
75
53

7.8	7.8	7.8	63
8.8	8.8	8.8	60
9.8	9.8	9.8	71
10	10	10	64
7.2	7.2	7.2	52
8.8	8.8	8.8	65
7.6	7.6	7.6	53
8	8	8	54
10.8	10.8	10.8	74
9.2	9.2	9.2	69
9.2	9.2	9.2	66
6.6	6.6	6.6	52
8	8	8	61
10.2	10.2	10.2	74
6.4	6.4	6.4	52
10.8	10.8	10.8	74
11.6	11.6	11.6	85
7.4	7.4	7.4	54
6.8	6.8	6.8	54
8.4	8.4	8.4	69
8.6	8.6	8.6	59
9.8	9.8	9.8	77
9.6	9.6	9.6	69
7.4	7.4	7.4	58
6	6	6	45
10.2	10.2	10.2	70
7.6	7.6	7.6	59
10.8	10.8	10.8	71
9.4	9.4	9.4	65
6.8	6.8	6.8	53
2.2	2.2	2.2	21
9.4	9.4	9.4	63
7.2	7.2	7.2	56
7.4	7.4	7.4	54
5	5	5	42
C03	C04	C05	
66	66	66	
20	20	20	
14	14	14	
28	28	28	
4	4	4	

1.76	1.76	1.76
C03	C04	C05