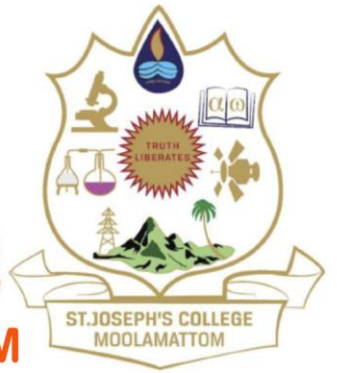


ST. JOSEPH'S COLLEGE, MOOLAMATTOM ARAKULAM P.O- 685591, IDUKKI, KERALA



1.1 Curricular Planning and Implementation

1.1.1 The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment

Teacher's Diary



ST. JOSEPH'S COLLEGE, MOOLAMATTOM

ARAKULAM P.O., IDUKKI - 685 591

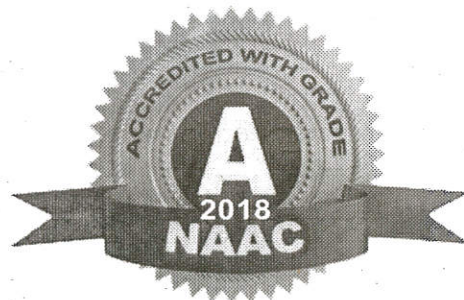


Faculty Diary

Name of the Faculty : Dr. JOSE JAMES

Department : Chemistry

Academic Year : 2020-21 + 2021-22 + 22-23
+ 2023-



Phone: 04862 252043, 7510312043
email: stjosephscollegemoolamattom@gmail.com
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Time Table

20...0 - 20...1

Day Order	1	2	3	4	5
I	C ₅		C ₄ -1L	C ₄ -1L	C ₄ -1L
II	C ₄	C ₃		C ₁	
III	C ₅	C ₃ -1L	C ₃ -1L	C ₃ -1L	C ₃ -1L
IV	C ₄			C ₄	
V	C ₁ -1L	C ₁ -1L		C ₃	

C₅ - m.sc Second year C₄ - m.sc First year C₃ - II B.sc Chemistry
 C₁ - I B.sc chemistry 1L - 1st organic Lab 1L - volumetric Lab

Day Order	1	2	3	4	5
I					
II					
III					
IV					
V					

SYLLABUS

(to be covered by the faculty in each semester)

5

Module	Topics
	B.Sc First year (I st sem)
Unit 1	Methodology of chemistry - 1 hr
2	Periodic Table and Periodic Properties - 5 hr
3	Analytical Methods in Chemistry - 12 hr
	<u>18 hr</u>
	B.Sc First year (2 nd sem)
1	Atomic Structure - 6 hr
2	Chemical Bonding - I - 9 hr
3	Chemistry of s and p-Block Elements - 3
	<u>18 hr</u>
	<u>I</u> B.Sc Practical (I st & 2 nd sem)
	Volumetric Analysis (72 hr)
	<u>II</u> B.Sc Chemistry (V th sem)
1	Human Rights (6 hr)
2	Nitrogen containing Compounds (15 Hr) - Organic
3	Gaseous state (5 Hr) - Physical chem - I
4	Molecular Spectroscopy - II (10 Hr) - Physical chem - II
	<u>36 Hr</u>
	<u>III</u> B.Sc (VI th semester)

Faculty Record Sheet

Date	Day Order	Period	Class	Topic Covered
6/2020		9-10am 10-11.30		Staff Meeting Department Meeting
		1.30-4.30		Exam duty for III rd year students
6/2020		9-10	C ₁	Hybridates - Power point - Whatsapp
		10.30-11.45	C ₄	Exam - Testmoz - chemical bonding
6/2020		10-11.30	C ₄	Exam - Google form class Room doubt clearance
		1.30-4.30		Exam duty for <u>CU</u> Bsc students
6/2020		9-10.00	C ₁	S & P-block Elements - Note upload & discussion - whatsapp
6/20		9.30-11.30	C ₁	Exam Ionic bond & Covalent bond
		2-5pm		Exam duty
6/6/20				Saturday
6/2020				Sunday
6/20	8.30	5.00pm		III BSc practical & Viva Examination Internal Examinee
6/20	}			"
6/20		8.30	5.00pm	"
6/20				"
6/20				"
6/20				CV camp @ Alphonsa Pale (Group discussion) VI - Semester B.Sc
6/20				Saturday
6/20				Sunday

Countersigned

Head of the Department

Principal

Signature of the Faculty

Faculty Record Sheet

Date	Day Order	Period	Class	Topic Covered	Date
15/6/2020				Practical Work - Record Submission II BSC @ mg university kottaya	26/6
16/6/2020		8.30-9.30	C1	Exam - Test no 2 - Atomic structure	27/6
		10.30-11.30	C4	Exam - Google meet - Chemical bonding	28/6
17/6/20		8.30-9.30	C1	VSEPR theory - Power point - Whatsapp	29/6
		11.30-12.30	"	Doubt clearance - Google class room	
18/6/20		8.30-9.30	C1	Dipole moment - Theory & Calculations Google class room	1/6/2
19/6/20				CV Cap @ Alphonse - II BSC chemistry - Physical - III	
20/6/20				Saturday	
21/6/20				Sunday	
21/6/20				CV Cap @ Alphonse - II BSC chemistry - physical - III	
22/6/20		9.30-10.30	C1	chemistry bridge course for sem III	1/7
		11-12.30	C4	Google Meet - Peterbach method for He	2/7
23/6/20		8.30-9.30	C1	Exam - Google meet - FOSM - Chemical bonding	1/20
		10.30-11.30	C4	Exam - Test no 2 - Chemical bonding	
24/6/20		8.30-9.30	C4	Google Meet - Hator - Fock method	
25/6/20		9.30-10.30	-	Chemistry - Staff meeting	2/7
		11.30-12.00	-	RWA uploading	
		1.00-3.00 pm	-	Online Time Table construction	

Countersigned

Head of the Department

Principal

Signature of the Faculty

Head

Faculty Record Sheet

Date	Day Order	Period	Class	Topic Covered
8/7/20				Value Education camp - Reevaluation for I-M.Sc. Qualifiers
				at Alphonse College, Palakkad
9/7/20				Preparation - online
				III BSc - class online class
				NIRF - class - By T.C. Prabhakaran
10/7/20				Organic - M.Sc. Practical skill online class for III B.Sc
11/7/20				Saturday
12/7/20				Sunday
13/7/20				9.00 - M.Sc. Practical III & IV Semesters - Physical Chemistry 9.00 - 4.00 pm
				9.30 - 10.30 Online class for III B.Sc
				12.00 - 1.00 Online class for III B.Sc
14/7/20				9.00 - M.Sc. Practical III & IV Semesters - Physical Chemistry
15/7/20				9.00 - 4.00 M.Sc. practical - Inorganic chemistry Exams
				11.30 - 12.30 NIRF meety 10.30 - 11.30
				10.30 - 11.30 Online class for IV BSc chemistry

Countersigned

Faculty Record Sheet

Date	Day Order	Period	Class	Topic Covered
26/7/20				Sunday
27/7/20		3 rd hour	C5	Selectsicle
		4 th hour	C3	Nitro compound
28/7/20		2 nd	C5	Aluminum isopropoxide
		3 rd	C3	Nitro compound
		5 th	C3	weekly Test paper
29/7/20		2 nd	C5	}
		3 rd	C5	
		4 th	C3	Reduction of Nitro compounds
30/7/20		2 nd	C3	Charge-Transfer complex
		4 th	C3	DCC, DDQ
31/7/20				Ramsan
01/8/20				Saturday
02/8/20				Sunday
03/8/20		2 nd	C5	Gilman Reagent
		3 rd	C3	Electronic Spectroscopy
		5 th	C3	Electronic Spectroscopy
04/8/20		2 nd	C5	PCC, DBAD

Faculty Record Sheet

Date	Day Order	Period	Class	Topic Covered
		4 th	C5	Thermodynamic formulation of TS
13/8/20		2 nd	C3	Amines - Preparation
		3 th	C5	$\Delta^\ddagger G^\circ$ - significance
		4 th	C5	$\Delta^\ddagger H^\circ$ - significance
14/8/20		2 nd	C3	Amines - Properties
		3 rd	C5	$\Delta^\ddagger S^\circ$ - significance
15/8/20	———— Saturday ————			
16/8/20	———— Sunday ————			
17/8/20		2 nd	C3	Amines - Nomenclature
		4 th	C5	$\Delta^\ddagger V^\circ$
		5 th	C3	Test paper no: 6
18/8/20		1 st	C5	Significance of $\Delta^\ddagger V^\circ$
		2 nd	C5	Factors affecting velocity of gas
		4 th	C3	Significance of $\Delta^\ddagger V^\circ$ Reduction Amine
19/8/20		2 nd	C3	Holtman Bromamide search
		4 th	C5	velocity of gas
20/8/20		2 nd	C3	Carbylamine Test
		3 th	C5	Unimolecular Reaction

Faculty Record Sheet

Date	Day Order	Period	Class	Topic Covered
10/10/20	—————			Saturday —————
11/10/20	—————			Sunday —————
12/10/20		II	C ₃	Diazonium
		IV	C ₅	Kinetics
13/10/20		I	C ₅	Oscillatory chemical react
		II	C ₃	Callman's Reagent & Coupled React
		IV	C ₅	Oscillation chemical react
14/10/20		III	C ₅	Autocatalysis
		IV	C ₃	phenyl hydrazine
15/10/20		II	C ₅	Hatta-volta Mechanism.
		III	C ₃	Diazomethane
		IV	C ₃	Class Test
16/10/20		I	C ₅	Brusselator Mechanism
		II	C ₅	Oxygenator Mechanism
		IV	C ₃	Wolf Reagent Mechanism
17/10/20	—————			Saturday —————
18/10/20	—————			Sunday —————
19/10/20		II	C ₃	Ascidin-Eukent Synthesis

Faculty Record Sheet

Date	Day Order	Period	Class	Topic Covered
16/11/20		I	C ₂	} Revision for D-Sem (UG) Chemistry Topic 6 th semesters - History of Polymers
		II	C ₂	
		IV	C ₃	
17/11/20		I	} C ₅	} Revision of D-Sem (PG) Chemistry Topic Basic Terms of Polymer
		II		
		III		
		IV	C ₃	
18/11/20		III	C ₁	Ionisation potential
		IV	C ₃	Polymers - classification
	2.00pm	- 4.00pm	C ₃ + C ₂	Revision of 2 nd semester Topics
19/11/20		II	C ₃	Nomenclature of polymer
20/11/20		I	C ₁	Periodic Properties
		IV	C ₃	co-ordination chemistry
21/11/20	----- Saturday -----			
22/11/20	----- Sunday -----			
23/11/20				Study leave for C ₃
				Study leave for C ₅

Faculty Record Sheet

Day Order	Period	Class	Topic Covered
0 -	27/12	20	→ X'mas Vacation
	<u>I</u>	C ₃	weekly Test
	<u>II</u>	C ₄	welcome days
	1	C ₄	Quantum mechanics
	2	C ₃	Coordination chemistry
	4	C ₁	Analytical chemistry
	1	C ₄	Quantum mechanics
	11	C ₃	coordination chemistry
<hr style="border: 1px solid red;"/>			
	1	C ₁	Analytical chemistry
	<u>III</u>	C ₃	coordination chemistry
	<u>IV</u>	C ₄	Quantum mechanics
<hr style="border: 1px solid red;"/>			
Saturday			
<hr style="border: 1px solid red;"/>			
Sunday			
	<u>I</u>	C ₃	solutions
	<u>II</u>	C ₅	Black Body radiation
	<u>IV</u>		
<hr style="border: 1px solid black;"/>			
CL			

Faculty Record Sheet

Date	Day Order	Period	Class	Topic Covered
6/01/21	—————			CL
7/01/21		I	C ₄	Quantum chem
		II-V	C ₃	Mixture Analysis
8/01/21		I	C ₅	Inorganic Practical - dress
		II	C ₁	Analytical chem
		III-V	C ₃	Mixture Analysis
9/01/21	—————			Second Saturday
10/01/21	—————			Sunday
11/01/21	I	I	C ₅	Electrochemistry
		II	C ₄	Quantum mechanics
		III & IV	C ₄	Complex formation
12/01/21	II	I	C ₄	Quantum mechanics
		II	C ₃	Solutions
		III	C ₁	Analytical Chemistry
13/01/21	III	I	C ₅	Electrochemistry
		II-V	C ₃	Mixture Analysis
14/01/21	—————			Thaipongel
15/01/21	IV	I	C ₄	Quantum mechanics

Faculty Record Sheet

Date	Day Order	Period	Class	Topic Covered
24/1/21				Sunday
25/1/21		8.30 -4.30	C5	Organic Practical (S1 & S2) (M.Sc First year)
26/1/21				Republic Day
27/1/21		9.00-	C5	Organic Practical (S1 & S2) M.Sc First year
		<u>III</u>	C1	Analytical chemistry
		<u>IV</u>	C4	Organic photochemistry
28/1/21				Valuation camp @ Pala Alphonse second semester UG
29/1/21				Valuation camp @ Pala Alphonse second semester UG
30/1/21				Valuation camp @ Pala Alphonse - second semester UG
31/1/21				Sunday
1/2/21		I	C4	Barton Reaction
		<u>IV</u>	C1	Titration Curves
2/2/21		I	C5	Electrochemistry
		<u>III</u>	C1	Analytical chemistry
3/2/21		<u>V</u>	C4	Organic photochemistry
		<u>VI</u>	C4	Organic photochemistry

Faculty Record Sheet

Date	Day Order	Period	Class	Topic Covered	
24/2/21		I & II	C ₁	Volumetric Analysis	
		IV	C ₅	Research methodology	
		III	C ₄	Quantum mechanics - 1D Box -	
		2-3pm	C ₄	chemical kinetics	
25/2/21		I	C ₅	Electrochemical cell	
		III	C ₃	coordination chemistry	
25/2/21		I-V + 2-3pm	C ₃	Gravimetric Analysis	
27/2/21		I-V + 2-3pm			C ₃
		IV	C ₅	Electrochemistry	
28/2/21		<hr style="border: 1px solid red;"/>		sunday <hr style="border: 1px solid red;"/>	
1/3/21		I-V	C ₄	colorimetry	
		9-30- 9:40AM	C ₃	Dr. Siby Joseph Ponnambalam. CF Theory	
		II			
2/3/21		<hr style="border: 1px solid blue;"/>			Dr. Siby Joseph Menon's Natural Lecture Series <hr style="border: 1px solid blue;"/>
3/3/21		I	C ₅	Electrochemistry	
		II	C ₄	QM	

Faculty Record Sheet

Date	Day Order	Period	Class	Topic Covered
10/3/21		<u>I</u>	C ₄	Harmonic Harmonic Oscillator
		<u>II</u>	C ₃	Colligative Properties
		<u>III</u>	C ₁	Bohr model
11/3/21	—————>			Sivasasthi
12/3/21	—————			Valuador Camp out for graduation Paper Submission
13/3/21	—————			Second Saturday
14/3/21	—————			Sunday
15/3/21		<u>I</u>	C ₄	9M - noon Exam
		<u>II</u>	C ₄	SHM
		<u>III</u>	C ₃	Depression in freezing point
		2-3pm	C ₄	SHM
16/3/21	—————			Electron class
17/3/21		<u>I</u>	C ₃	Solution
		<u>III - V</u>	}	Mixture Analysis
		2-3pm		
18/3/21		<u>I - V</u>	C ₃	Mixture Analysis
		<u>IV</u>	C ₁	Radius & Energy of Atom
19/3/21		<u>I - V</u>	+ 2-3pm	Gravimetric Analysis

Faculty Record Sheet

Date	Day Order	Period	Class	Topic Covered
10/4/21 - 16/4/21	C ₅	}		Electrochemistry + Fluorescence Spectroscopy
11/4/21 - 20/4/21	C ₁			Atomic structure & Chemical bonding - I
7/4/21			→ Electros	
			Easter + Vishu etc.	
30/4/21			Official Retirement of Dr. Eby P. Koshy	
5/5/21 - 30/5/21	}		}	C ₄ - Approximation method + Coordination chemistry + Lanthanoids
				Lock down period

Faculty Record Sheet

Date	Day Order	Period	Class	Topic Covered
9/6/21		2 nd	C ₄	Variation
10/6/21		1	C ₄	Variation method
		3	C ₄	Revision
		4	C ₃	Application of UV
11/6/21		1	C ₃	UV
		3	C ₄	Variation
12/6/21	School Holiday			
13/6/21	Sunday			
14/6/21		2	C ₃	gaseous state
		3 rd	C ₄	variation
15/6/21		4 th		
15/6/21		1 st & 3 rd	C ₄	Approximation methods
		4 th	C ₃	gaseous state
		2-5pm	Parent BGC	Revision
16/6/21		1 & 3 rd	C ₃	gaseous state
		4	C ₄	Approximation
17/6/21	College Staff meeting			
18/6/21		2 nd	C ₄	Approximation methods

Faculty Record Sheet

Date	Day Order	Period	Class	Topic Covered
		2	C ₃	Nitro compounds
1/7/21		1	C ₄	Chemical Bonding
		2	C ₃	Nitro compounds
2/7/21		2 & 4	C ₄	Chemical Bonding
		3	C ₃	Nitro compounds
3/7/21	_____			Saturday _____
4/7/21	_____			Sunday _____
5/7/21		3	C ₃	NMR
		4 & 5th	C ₄	VBT
6/7/21		1	C ₄	VBT
		4	C ₃	NMR
7/7/21		1 & 4	C ₄	MOT
		2	C ₃	NMR
8/7/21		1	C ₄	MOT
		4	C ₃	NMR
9/7/21		2	C ₃	NMR
		3rd & 4th	C ₄	MOT
10/7/21	_____			Saturday _____

Faculty Record Sheet

Date	Day Order	Period	Class	Topic Covered
25/7/21				Sunday
26/7/21		I, II	C ₄	HMO method
		III	C ₃	NMR
27/7/21		IV	C ₃	NMR
		V	C ₄	HMO method
28/7/21				PG - Bromination drug Compound after valuations (cap)
29/7/21		I	C ₄	HMO
30/7/21		II	C ₄	Ethene
31/7/21				Saturday
1/8/21				Sunday
2/8/21		I	C ₄	HMO - Allyl system
3/8/21		I	C ₄	HMO - Butadiene
		10-11:30	C ₅	Misc practical Inorganic disc
4/8/21		II	C ₄	HMO - Benzene
5/8/21		3:30-4:30	C ₄	Free valency, Bond orders
6/8/21		I	C ₄	Bond orders
7/8/21				Saturday
8/8/21				Sunday

}

Valuations at Alpha

Faculty Record Sheet

Date	Day Order	Period	Class	Topic Covered
24/9	II nd	2 nd hr	C ₅	Kinetics
		4 th hr	C ₃	Phenyl hydrazine
25/9				Saturday
26/9				Sunday
27/9		1 st	C ₅	Kinetics
28/9	}			Orientation Programme (As a Co-ordinator)
29/9			First year	
30/9				
01/10	IV th	1 st hr	C ₅	Kinetics
		3 rd hr	C ₃	diazocete ester
02/10				Saturday
03/10				Sunday
04/10	V th day	I st hr	C ₁	Introduction
		IV - V	C ₃	Practical
05/10	I st day	I st - V	C ₃	Practicals
6/10		I & IV	C ₅	Kinetics
		IV, V	C ₃	Practical - organic
7/10		I - V	C ₅	Inorganic Practicals

Faculty Record Sheet

Date	Day Order	Period	Class	Topic Covered	
	1	I & II - 3pm	C5	Inorganic Redox agents	11/2
23/10/21				Saturday	11/2
24/10/21				Sunday	11/2
25/10/21		I	C9	Periodic Properties	12
		I - V - 3pm	C5	Inorganic mixture	11/2
26/10/21		I - V - 3p	C5	inorganic mixture	
27/10/21		I & II	C1 & 2	Periodic Properties	
28/10/21		I & II	C5	kinetics	
		V	C5	Practical	
		- 3pm	C5	Practical	
29/10/21		F	C3	open course - C3	
		III & IV	C3	Practical	
30/10/21				Saturday	
31/10/21				Sunday	
01/11/21				Promotion Assistance to Dr. Bby. P. Kishy	
02/11/21				IQAR filling	
03/11/21				Promotion Assistance to Rev. Dr. Thoma...	
04/11/21				Deepavali	

Faculty Record Sheet

Date	Day Order	Period	Class	Topic Covered
17/11/21	IV	III-V <small>upto 3pm</small>	C2	Pending volumetric Practicals.
18/11/21	V	I & II	C1	Volumetric Analysis - Introduction
19/11/21	I	III-V	C4	Mixture Analysis
		1:30-3:00	G	Chemistry Association Programme
20/11/21	----- Saturday -----			
21/11/21	----- Sunday -----			
22/11/21		III	C5	Kinetics - Decomposition of ethane
23/11/21		I	C1	Periodic Properties
			C4	GM - Uncertainty Principle
24/11/21		I & V	C4	1st postulate & 2nd postulate
25/11/21		II & III	C1	Practical
26/11/21		I	C5	Organic Synthesis completed
		III-V	C3	Practical - mixture
27/11/21	----- Saturday -----			
28/11/21	----- Sunday -----			
29/11/21		II-V	C3	Practicals - Mixture Analysis
30/11/21		I & III	C1	Test papers + Atomic mass.
		II	C4	Operators

Faculty Record Sheet

Date	Day Order	Period	Class	Topic Covered
20/12/21	<u>II</u>	I	C ₃	Coordination Chemistry
		<u>II-V</u>	C ₃	Mixture Analysis
21/12/21	<u>III</u>	I	C ₁	Mole & cal problems
		<u>II</u>	C ₄	unit exam of Hamiltonian Operators
		<u>III</u>	—	Criticism - <u>IV</u> preparation
		<u>IV</u>	C ₅	Kinetics - Reaction in solution
		<u>V</u>	C ₃	Chelate formation
22/12/21	<u>IV</u>	I	C ₄	Boston Reactor.
		<u>II</u>	C ₃	stability of complex.
		<u>III</u>	C ₄	5th postulate
23/12/21	<u>V</u>	1:30 - 4:30 PM	C ₁	University Exam.
23/12/21	—	—	—	x'MAS celebration
				College close for x'MAS Holidays
24/12/21	—	—	—	2/01/2022 — x'MAS vacation
3/01/22		I	C ₅	Kinetics
		<u>III-V</u>	C ₄	Practical.
4/01/22		<u>II-V</u>	C ₃	Inorganic mixture Analysis
5/01/22		I	C ₁	Equivalent mass

Countersigned


Head of the Department


Principal


Signature of the Faculty

Faculty Record Sheet

Date	Day Order	Period	Class	Topic Covered
		II	C ₄	Test Papers (unit wise)
		III	C ₅	Salt effect
6/01/22		I	C ₄	Translator notes
		II	C ₃	Polymers
		IV	C ₄	Free particle
7/01/22	5 th day	I & II	C ₁	Practical - complexomet
		IV	C ₃	Polymer.
8/01/22	Saturday			
9/01/22	Sunday			
10/01/22		II	IV-V	Carbon Analysis - Practical
11/01/22				Start by SFI
12/01/22		I	C ₁	molality
		II	C ₄	One dimensional box
		IV	C ₃	Revision
		1:30 - 4:20pm		University Exam
13/01/22		I & IV	C ₄	Quantum mechanics
14/01/22	Pongal Holiday			
15/01/22		online II	C ₁	Theory & Law

Faculty Record Sheet

Date	Day Order	Period	Class	Topic Covered
		<u>III</u>	C ₁	Atomic structure (II sem begins)
	<u>IV</u>		9.15	Dr. Siby Joseph Memorial meet
		<u>I</u>	C ₄	class test + Rotational motion on a sig
		<u>III</u>	C ₃	CFT in oh & Td Complex
		<u>V</u>	C ₄	practice on sphere
19/2/22				Saturday
20/2/22				Sunday
21/2/22	<u>IV</u>	<u>I</u>	C ₄	Rotational motion
		<u>II</u>	C ₃	CFT
		<u>III</u>	C ₄	Rotational motion
22/2/22	<u>V</u>	<u>I & II</u>	C ₁	Volumetric Analysis
		<u>IV</u>	C ₃	CFT
23/2/22	<u>I</u>	<u>I</u>	C ₃	Solutions
		<u>II</u>	C ₅	Bohr & Neorit equation
		<u>III - V</u>	C ₄	Mixture Analysis
24/2/22	<u>IV</u>	<u>II - V</u>	C ₃	Mixture Analysis
25/2/22	<u>III</u>	<u>I & II</u>	C ₁	Atomic structure
		10.30-12.30		Dr. Siby Joseph Memorial Lecture series

2022-23

Faculty Record Sheet

Date	Day Order	Period	Class	Topic Covered
1/6/22	1			Common Methyl
		11-1230		orientation talk @ St. Joseph's academy, Modematta
		1.3-2.30	C4	MOT
2/6/22	2	1	C4	MOT of H_2^+
		IV	C3	Kinetic theory of gas
3/6/22	3	11	C4	MOT of H_2
4	Saturday			
5	Sunday			
6	CL			
7	5	1 & II	C1	Revision
		V	C4	Coordinate diagram.
8	1	III	Cy	Molecular term symbols
9	2	1 & V	C4	Hybridisation
10	3	IV & V	C4	MO
11	Saturday			
12	Sunday			
13	4	III	C4	MO of ethene
14	5	I	C9	MO and Internal

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Head of the Department



Principal


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Faculty Record Sheet

Date	Day Order	Period	Class	Topic Covered
		III & IV	C4	Pestis bacterios method
25/6/22				Saturday
26/6/22				Sunday
27/6/22				CV camp for CBCSS spread sheet @ Alphonse college
28/6/22	V	IV III	C4	Pestis bacterios theory
		V	C4	Pestis bacterios theory
		IV	C3	Human Rights.
29/6/22				CV Camp @ Alphonse college Rela for IV sem / IV sem supply / V sem Supply theory Value
6/7/22				
7/7/22				Holiday declared by Collector
8/7/22		1-15-20	C3	Human Rights.
9/7/22				Second Saturday
10/7/22				Sunday
11/7/22	1	IV I	C3 C4	Human Rights.
12/7/22	2	I	C4	Model Exam
		IV	C3	Nitro compounds.
13/7/22	3			ASAP Induction Program at MGN, Kottayam

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Faculty Record Sheet

Date	Day Order	Period	Class	Topic Covered
14/7/22	4	II	C ₃	Nitro compounds.
15/7/22	5	II	C ₃	Amines
		V	C ₃	Andrews Iso theom
16/7/22				Saturday
17/7/22				Sunday
18/7/22	I	V	C ₃	Continuous state
19/7/22	II	IV	C ₃	Reaction of Amines
20/7/22	III	I		Discussing with principal & me
21/7/22	IV	II	C ₃	Visual equation
22/7/22	V	I	C ₃	Different type of velocity
		2-5:00pm		I st sem US - University Exam Invigilator
23/7/22				Saturday
24/7/22				Sunday
25/7/22	I	IV	C ₃	Collision.
		V	C ₃	Unit Exam
26/7/22	II	IV	C ₃	Human Rights - UN
27/7/22	III	II	C ₃	Basicity of Amines
		2-4pm		PTA meeting

Faculty Record Sheet

Date	Day Order	Period	Class	Topic Covered
28/7/22				Karkidavattu
29/7/22	IV	II	C3	Relative basic strength of Amine
30/7/22				Saturday
31/7/22				Sunday
1/8/22	V	I	CA	perturbation method.
		II	C3	Basic strength of Aromatic amine
		1:30-4:30		→ University Exam
2/8/22	}			
3/8/22				Holiday due to flood. (Holiday declared by collector)
4/8/22				
5/8/22				
6/8/22			Rusa uploading	
6/8/22				Saturday
7/8/22				Sunday
8/8/22	I	II	C5	HFSEF theory
9/8/22				Mohoram
10/8/22	II	III	C5	III sem - begin: chemical kinetics
11/8/22	III	II	C3	Organic - Reaction of Amine
12/8/22	IV			Workshop of Theodora

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Faculty Record Sheet

Date	Day Order	Period	Class	Topic Covered
13/8/22				----- <u>School Saturday</u> -----
14/8/22				----- <u>Sunday</u> -----
15/8/22				----- <u>Independence day</u> -----
16/8/22	V	I } II }	C ₃	Organic Chemistry
17/8/22	I	II	C ₅	chemical kinetics.
18/8/22				----- <u>Sree Krishna Jayanthi</u> -----
19/8/22	II	II	C ₅	LiAlH ₄
20/8/22				----- <u>Saturday</u> -----
21/8/22				----- <u>Sunday</u> -----
22/8/22	IV	II	C ₃	Amines
23/8/22	IV	10-30 } 1-00 }		National Seminar @ organising secretary
		IV & V	C ₅	mixture Analysis
24/8/22	}			valukata camp @ Pale
25/8/22				"
26/8/22				"
27/8/22				----- <u>Saturday</u> -----
28/8/22				----- <u>Sunday</u> -----


Faculty Record Sheet

Date	Day Order	Period	Class	Topic Covered
6/10/22	<u>IV</u>	<u>II</u>	C ₃	Organic
		<u>III-V</u>	C ₅	Inorganic Practical
7/10/22	<u>V</u>	<u>I</u> } <u>II</u> }	C ₁	Volumetric Analysis
				CL (AW)
8/10/22	<u>I</u>	Saturday		
9/10/22		Sunday		
10/10/22	<u>I</u>	I	C ₄	Mixture Analysis
		II	C ₅	Kinetics
		<u>III & IV</u>	C ₄	Mixture Analysis
11/10/22	<u>II</u>	<u>I</u>	C ₄	Schrodinger's Equation
		<u>II</u>	C ₅	Unimolecular reaction
12/10/22	<u>III</u>	<u>I</u>	C ₁	Atomic Size
		<u>II</u>	C ₃	Organic - Aldehydes - Esters
		<u>III</u>	C ₄	Time dependent schrodinger eq
13/10/22	<u>IV</u>	<u>I-III</u>	C ₅	Practical
		1-30 <u>II</u>	C ₃	Human Rights - II
		1-30 - 4:30 pm		University exam


Faculty Record Sheet

Date	Day Order	Period	Class	Topic Covered
3/11/22	<u>III</u>	I	C ₁	
		II	C ₃	ESR
		AN	—	CL —————
4/11/22	<u>IV</u>	<u>II</u>	C ₃	Human Rights.
		AN	—	University exam duty
5/11/22	—	—	—	Saturday
6/11/22	—	—	—	Sunday
7/11/22	<u>V</u>	I	C ₁	Practical
		II	C ₄	particle in a 1-D box
		III	C ₃	Human Rights
8/11/22	<u>I</u>	<u>II-IV</u>	C ₄	Practical
9/11/22	<u>II</u>	<u>II-V</u>	C ₄	Per Inorganic practical
10/11/22	—	—	—	NACC visit at Christ Autonomous College, Briggs Lake
11/11/22	—	—	—	Promoter interview from stage <u>II</u> to <u>IV</u>
12/11/22	—	—	—	Saturday
13/11/22	—	—	—	Sunday
14/11/22	<u>VI</u>	<u>I-III</u>	C ₁	Practical

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Faculty Record Sheet

Date	Day Order	Period	Class	Topic Covered
		<u>IV</u>	C ₃	NMR
		<u>IV</u>	C ₄	Quantum mechanics
15/11/22	<u>I</u>	<u>II</u>	C ₅	Kinetics in solution
		<u>IV-V</u>	C ₄	Inorganic structure analysis
17/11/22	II	<u>I</u> <u>II</u> <u>IV</u>	C ₄ C ₅ C ₃	Photochemistry Kinetics NMR
17/11/22		<u>II-V</u>	C ₅	Practicals
18/11/22	I	<u>II-V</u>	C ₄	Practicals
19/11/22	Saturday			
20/11/22	Sunday			
21/11/22	}			
22/11/22				
23/11/22				
M-sc Fourth sem valuation @ Alphonse college, Pda				
24/11/22	<u>III</u>	I	C ₁	Analytical method
		II	C ₃	Seminar
		III	C ₄	Vibrational motion
25/11/22	<u>IV</u>	II	C ₃	Seminar
26/11/22	Saturday			
27/11/22	Sunday			

Faculty Record Sheet

Day Order	Period	Class	Topic Covered
	<u>III</u>	C ₄	Photochemistry
	45 - 3-30	←	X'mas Celebrations
2/22			X'mas celebrations
			college closes for X'mas vacca
2	2/1/23		X'mas vacca
3	I	C ₅	Kinetics
	<u>III-V</u>	C ₄	Practical
	I	C ₄	Q M
	II	C ₅	Kinetics
	I & II	C ₁	Atomic structure
	<u>IV</u>	C ₄	Q M
			vacation @ Alphonse College Para
			Saturday
			Sunday
	I	C ₁	Atomic structure
	I	C ₅	Practical & Demonstrat
	III	C ₃	Polymers
	<u>IV</u>	C ₁	Atomic structure


Faculty Record Sheet

Date	Day Order	Period	Class	Topic Covered
1/23				I & II sem Practical msc Skill - full day - Inhouse
1/23				Practical preparation day But - full day work
1/23	}			Practical on ^{U23/003} multitasker
1/23				
1/23				Second Saturday
1/23				Sunday
1/23	<u>V</u>	I	C ₁	Volumetric Analy ⁿ
		III	C ₃	Coordination Chemistry
		<u>IV</u>	C ₄	QM
1/23	I			Europa - 23 - exhibition - at mgn (OD)
1/23		I & II	C ₄	Angular momentum
		<u>II</u>	C ₅	Dirac & Neut model
		<u>IV</u>	C ₁	Atomic struc
1/23	<u>II</u>	I	C ₅	Born model
		<u>II - IV</u>	C ₄	Mixture Analysis
				mgn Europa - 23 (OD) ret.
1/23	<u>IV</u>	Q1	C ₁	Atomic str
		II	C ₄	Quanta meclm

Faculty Record Sheet

Date	Day Order	Period	Class	Topic Covered
30/1/23				^{m-sc} Practical Duty Co. <small>Cost College</small>
31/1/23	}			B-sc Practical Osec
1/2/23				Asurita
2/2/23				Paper values for <u>1st</u> sem C paper
3/2/23	}			Examination to Coea (B-sc + M-sc Students)
↓				
6/2/23				
7/2/23				International Conference at Tevra
8/2/23	<u>2nd</u>	19 II	C ₁	Atomic Structure
		<u>20</u>	C ₄	QM
		<u>21</u>	C ₃	Solutions
9/2/23	<u>1st</u>	<u>22</u>	C ₅	Research
		<u>23-25</u>	C ₄	Mixture Analysis
10/2/23	<u>2nd</u>	1	C ₄	Pauli's exclusion Principle - ^{1st sem} Completed
		<u>2</u>	C ₅	Research
11/2/23				Saturday →
12/2/23				Sunday →

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Faculty Record Sheet

Date	Day Order	Period	Class	Topic Covered
19/2/23	_____ Sunday _____			
20/2/23	II	I	C1	Revision
		II	C3	Solution
		III	C4	variation method
21/2/23	IV			Dr. Siby Joseph Memorial Lecture Series & Quiz competition
				as organisy secretary & Quiz master
22/2/23	V	3	C3	Henty's law & Nesmit distribution law
		4	C4	Approximation methods
23/2/23	I	IV-V	C4	Mixture Analysis
24/2/23	II	II	C4	Variation method of He
		IV	C5	concentrations cell
		2-5pm		university exams
25/2/23	_____ Saturday _____			
26/2/23	_____ Sunday _____			
27/2/23	III	II	C3	solution
		IV	C4	exam
28/2/23	IV	I	C3	halogens
		II	C5	Double layers

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Faculty Record Sheet

Day Order	Period	Class	Topic Covered
I	II-V	C ₄	Practical
II	I	C ₄	MOT
	II	C ₃	Photochemistry
----- Saturday -----			
----- Sunday -----			
			Sports day -----
III	I	C ₁	S-block & P-block element
	II	C ₃	Photochemistry
	III	C ₄	d ¹ body is octahedral complex
IV	IV	C ₄	d ² body is octahedral complex
V	I	C ₁	Practical
	IV	C ₄	d ³ body is octahedral complex
----- College Day -----			
			special vert to
			special class to I PG
----- Sunday -----			
I	II	C ₄	Perturbation method
----- CV Camp @ Pale -----			

2023-24

Faculty Record Sheet

Date	Day Order	Period	Class	Topic Covered
1/6/23	I			9-30 general staff gathering 10:00 Common Prayer Meeting 11:00-12:30 staff meeting (Department)
2/6/23	II			
3/6/23				Saturday
4/6/23				Sunday
5/6/23	IV	IV	C4	Quantum mechanics
6/6/23	IV	II	C3	Kinetic gas equation
		III	C4	Maxwell-Boltzmann equation
		IV	C3	Ideal gas equation
7/6/23	V	I	C3	Nitro comp
		IV	C4	Fock equation
8/6/23	}	(CBES)	-V th	9 th & 10 th semi special supply
9/6/23				US valuation camp @ pale
11/6/23				Melhoru Yuva Kendra youth utra-23 with Begun... including Namaste
10/6/23				Saturday
11/6/23				Sunday
12/6/23	IV	I & IV	C3	Organic chemistry
		III & V	C4	Quantum mechanics

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Faculty Record Sheet

Date	Day Order	Period	Class	Topic Covered
4/7/23	II	III	C3	Basicity of amines
		IV	C4	Electron density & Free Valence
5/7/23	_____			Holiday declared by collector due to the NABE visit to University of Kuvaila
6/7/23	_____			Holiday NACC preparation @ College
7/7/23	III	III	C4	First Friday & Holiday Mass.
		IV	C3	Amines
8/7/23	_____ Saturday _____			
9/7/23	_____ Sunday _____			
10/7/23	IV	.		9:30 - 12:30 pm orientation for first UG students as a coordinator
		IV	C3	Basicity of Amines
		V	C4	LiAlH ₄
11/7/23	V	I	C3	Electrophilic substitution Reaction
		II	C4	DIBAL-H
12/7/23	I	III & IV	C4	chemical kinetics & Colloidal Chemistry
13/7/23	II	II	C5	NaBH ₄
14/7/23	III	I & II	C5	Aluminum isopropoxide
15/7/23	IV	I	C5	NBS
16/7/23	_____ Sunday _____			

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Faculty Record Sheet

Date	Day Order	Period	Class	Topic Covered
27/7/23	I	I	C5	$\Delta^{\dagger}G^{\circ}$, $\Delta^{\dagger}V^{\circ}$
		II & III	C4	Atomic spectra, Uncertainty Principle
28/7/23	Holiday [Muharram]			
29/7/23	NAAC Preparation			
30/7/23	Sunday			
31/7/23	II	I	C5	PCC & DEAD
		III	C4	Tobalonski Diagram
		IV	C5	Unimolecular Reaction.
1/8/23	III	M.Sc Fourth Sem Model Inorganic Practical 9-4:00pm		
		III	C1	Ionisation potential
		IV	C5	RRK & RRKM treatment
2/8/23	IV	II	C5	Chair Reaction.
		IV	C4	Quas Norrish Type-I
3/8/23	V	Practical Preparation day of U2Laroor St Stephen's M.Sc IV Sem Inorganic		
		I & II	C1	Electronegativity, electron affinity
		III	C3	Maxwell-Boltzmann distribution NAAC preparation to 9:30pm
4/8/23	Practical @ St. Stephen's College U2Laroor - II & III Sem Pg Inorganic pscu			

5/8/23
7/8/23

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Faculty Record Sheet

Date	Day Order	Period	Class	Topic Covered	
8/8/23	}	—————			Practical m-sc III & IV sem @ Govt. College, Kattapara
9/8/23					
9/8/23	IV	B I	L4	Paterno - Buchi Reaction	
		II	C3	viscosity & mean free path.	
		IV	C4	First postulate of Quantum mechanics	
10/8/23	V	I	C 3	NAAC preparation up to 6:30 pm Stereo chemistry of 3° amine	
		II	C1	Slater's rules	
		III IV	C4	operator postulate	
11/8/23	}	—————			m-sc Practical @ Newman College Thodupuzha m-sc III & IV sem inorganic practical
14/8/23					
15/8/23		—————			Independence day - NAAC preparation
16/8/23	IV	IV	C4	Operator Operator, NAAC preparation	
17/8/23	V	I	C4	Eigenvalue postulate.	
18/8/23	V	I	C4	Revision of Quantum mechanics	
19/8/23	—————				NAAC Preparation
20/8/23	—————				Sunday
21/8/23	VI	I _{III}	C4 C3	Quantum mechanics organic react	
22/8/23	VI	B I	C4	Hermitian operators	

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Faculty Record Sheet

Date	Day Order	Period	Class	Topic Covered
23/8/22	II	I	C ₄	Average value Postulate.
24/8/22	II	I	C ₁	class test
		II	C ₄	Hermitian operators
		III	C ₃	coupling reaction
29/8/22	3/9/2023 Onam Holidays.			
4/9/23		intensive		College reopen NACC preparation
5/9/23		intensive		NACC preparation.
6/9/23		intensive		NACC preparation
7/9/23	8/9/23	intensive		NACC preparation
9/9/23	} →			Second Saturday
10/9/23				Sunday
11/9/23	I	I	C ₄	Time independent Schrodinger equation
		II	C ₅	H ₂ - Br ₂ Reaction.
		III-V	C ₃	physical chemistry practicals
12/9/23	II	I	C ₅	chemical kinetics
		III-V	C ₄	colorimetric Analysis
13/9/23	III	I	C ₅	Decomposition mechanism
		III	C ₁	Analytical technique

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Time dependent Schrodinger equation

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Faculty Record Sheet

Date	Day Order	Period	Class	Topic Covered
		<u>II</u>	C ₁	volumetric Analysis
		<u>IV</u>	C ₄	conclusion of 1-D box
26/9/23	I	I	C ₄	Application of 1-D box
		<u>III-V</u>	C ₃	Physical expt Pract - C ₃
27/9/23	II	II	C ₅	Bronstead - Bjerrum equation
		<u>III-V</u>	C ₄	Calorimetry
28/9	<u>III</u>	I	C ₅	Saturday Kinetics in soln.
29/9	<u>IV</u>	II	C ₄	Sunday potensio-Birchi
30/9	Saturday			
1/10	Sunday			
2/10	Gandhi Jayanthi			
3/10	<u>IV</u>	I	C ₅	Primary salt effect
		II	C ₁	Practical down
		IV	C ₄	Application of AB React
4/10	II	<u>I & II</u>	C ₁	Practicals
		<u>III</u>	C ₄	Four React agents
5/10	Collection of electro			
6/10	I	<u>III-V</u>	C ₃	Physical Practical

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Faculty Record Sheet

Order	Period	Class	Topic Covered
			<u>Saturday</u>
			<u>Sunday</u>
I	I-III	C2	Practical mod
	III-V	C4	Inorganic Practical
	III	C3	UV-Visible
	IV	C5	Solid state Reaction
II	I	C5	Solid state Reaction
	II	C5	cross cataly
III	I	C5	Enzyme catalysis
	II	C3	UV-Visible - Application
	III	C3	Chromophore & Auxochrome
IV	I & II	C1	Practical
	I	C5	Acid catalysis
	IV	C4	Tunneling
	V	C3	ESR spectroscopy
V	I	C4	Three dimensional box
	II	C5	General Acid-Base Catalysis
	III-V	C3	Physical Practical

ST. JOSEPH'S COLLEGE, MOOLAMATTOM

ARAKULAM P.O., IDUKKI - 685 591



Faculty Diary

Name of the Faculty : *Dr. Augustine Joseph*

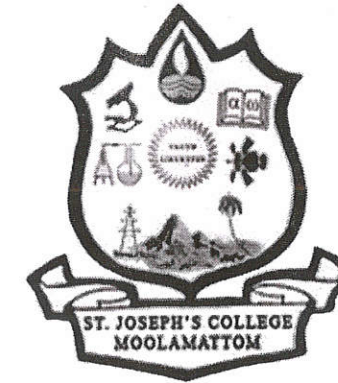
Department : *Economics*

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ST. JOSEPH'S COLLEGE, MOOLAMATTOM

ARAKULAM P.O., IDUKKI - 685 591



Faculty Diary

Name of the Faculty : *Dr. Justine Joseph*.....

Department : *Economics*.....

Academic Year :

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Time Table

20.2.22 - 20.2.23

Day Order	1	2	3	4	5
I	E ₃	E ₂		E ₁	E ₃
II		E ₁	E ₃	E ₂	
III	E ₃	E ₂	E ₃		
IV			E ₃	E ₁	E ₂
V	E ₂	E ₃			E ₃

Day Order	1	2	3	4	5
I	E ₃	E ₃		E ₁	E ₃
II		E ₁	E ₃	E ₃	
III	E ₃		E ₃		E ₃
IV			E ₃	E ₁	E ₃
V	E ₃	E ₃			E ₃

Time Table

2023 - 2024

Day Order	1	2	3	4	5
I	E ₃	E ₂		E ₃	
II		E ₁	E ₃	E ₂	
III	E ₃		E ₁	E ₃	
IV			E ₃		E ₂
V		E ₃		E ₂	E ₃

ODD SEMESTER

Day Order	1	2	3	4	5
I	E ₃	E ₂		E ₃	
II		E ₁	E ₃	E ₂	
III	E ₃		E ₁	E ₃	
IV			E ₃		E ₂
V		E ₃		E ₂	E ₃

EVEN SEMESTER

SYLLABUS

(to be covered by the faculty in each semester)

Module	Topics
E ₃ Sem I	Module I - Basic Mathematics for Economic Analysis Basic concepts - equations - progressions - The real number system
	Module II - Calculus - Limits & Continuity - Derivatives
	Module III - Set theory - Functions - matrices - Cramer's Rule
	Module IV - Theory of probability - Rules - Different approaches - Probability distributions - Binomial and normal
E ₂ Sem II	Module I - Basic concepts - Economic problems - Utility - Law of demand and supply - National Income components
	Module II - Financial system and international trade - negotiable instruments - Banking and non banking institutions - Commercial banks - Indian Banking sector - RBI - Money and capital market - Insurance - Terms of trade - IMF - IBRD - WTO
E ₂ Sem III	Module I - Market structure - Perfect competition - Monopoly

SYLLABUS

(to be covered by the faculty in each semester)

Module	Topics
	module II - monopolistic competition - oligopoly
	module III - Income distribution and factor pricing - Functional vs personal distribution - marginal productivity theory - Factor price determination - Rent - Wages - Interest - Profit
	module IV - Welfare Economics - Edgeworths Box diagram - contract curve - criteria of social welfare - growth of world welfare - Bentham's criterion - Cardinalist criterion - Pareto criterion
E ₁ Sem I	module I - methodology of social sciences - science - different branches of science - social science disciplines - interdisciplinary approach - objectivity and subjectivity.
	module II - methodology - concepts and tools of Economics - subject matter and scope of Economics - relation of Economics with other social sciences - Positive and normative Economics - Economic theory and laws - micro and macro Economics - Assumptions - deductive and inductive methods - models

SYLLABUS

(to be covered by the faculty in each semester)

Module	Topics
E ₁ Sem II	module I - Introduction to macroeconomics - definitions of Economics - central Problem of economy - PPC - Efficiency and equity - Economic systems - SR and LR - Partial and general equilibrium analysis - marginal concepts
	module II - theory of consumer behaviour - TU and MU consumer equilibrium - Cardinal and ordinal utility - Law of DMU - Law of equi-marginal utility - IC analysis - MRS - Budget line - Income effect - Price effect - substitution effect - RP theorem - consumer's surplus - Pragmatic approach and LEC
E ₃ Sem III	module I - Role of statistics in Economics - Primary and secondary data - census and sampling methods - classification and tabulation - charts and diagrams
	module II - measures of central tendency - measures of dispersion - mean - median - mode - range - quartile deviation - mean deviation - standard deviation - Lorenz curve & its economic applications

SYLLABUS

(to be covered by the faculty in each semester)

Module	Topics
	Module III - Correlation & Regression analysis - measurement of correlation - Regression equations and regression lines - relation between correlation & regression
	Module IV - Index numbers - Types - importance - limitations - weighted and unweighted index numbers - cost of living index numbers - WPI - Test of index numbers - Time series - measurement of trend
sem II	Module I - Functions of one variable - Types of functions - limit & continuity - derivatives - Rules of differentiation - Implicit differentiation - Economic applications
	Module II - calculus of multivariable function - partial derivatives - rules - optimisation of multivariate functions - constrained optimisation with Lagrange multipliers
	Module III - Integral calculus - rules of integration - integration by substitution and part - definite integral - area between curves

Faculty Record Sheet

Date	Day order	Period	Class	Topic Covered
1/6/2022	I	II	E1	Indifference curve - definition
		III	E3	syllabus discussion
02/06/22	II	III	E3	differentiation
		IV	E1	features of Indifference curve
03/06/22	III	I	E3	Rules of differentiation.
		II	E1	Equilibrium under real IC
		III	E3	Rules (contd..)
6/6/22	IV	III	E3	differentiation rules (contd..)
		V	E1	Income effect and price effect
7/6/22	V	I	E1	Derivation of demand curve
		II	E3	Rules of differentiation
		IV	E3	Rules of differentiation
8/6/22	I	I	E3	Rules of differentiation
		II	E1	substitution effect
		V	E3	maxima and minima
09/6/22	II	IV	E3	conditions for maxima & minima
		V	E1	splitting price effect
10/6/22	III	I	E3	maximum & minimum

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Faculty Record Sheet

Date	Day order	Period	Class	Topic Covered
10/06/22	II	I	E ₁	Revealed Preference theorem
		III	E ₃	maxima & minima - Problems
13/06/22	IV	III	E ₃	R.P. theorem and law of demand
		V	E ₃	Applications of derivatives in economics
14/06/22	V	I	E ₁	Derivations of demand curve
		III	E ₃	Applications of derivatives
		V	E ₃	Applications of derivatives
15/06/22	I	I	E ₁	weak and strong ordering - distribution
		II	E ₃	Problem solving
		V	E ₃	Problem solving
16/06/22	II	III	E ₃	Problem solving
		IV	E ₁	consumer's surplus
17/06/22	III	I	E ₃	Limit
		II	E ₁	New approaches to consumer theory
		V	E ₃	Limit
20/06/22	IV	III	E ₃	continuity
		V	E ₁	Linear expenditure system
		V	E ₃	continuity

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Faculty Record Sheet

Date	Day order	Period	Class	Topic Covered
21/06/22	V	I	E ₁	ordinal utility approach - criticism
		II	E ₃	test paper
		V	E ₃	problem solving
22/06/	I	I	E ₃	problem solving
		II	E ₁	splitting price effect into income and substitution effect
		V	E ₃	ordinal measurements
23/06	II	III	E ₃	Equations - solution
		IV	E ₂	Quadratic equations
24/06	III	I	E ₃	Exponents - properties
		II	E ₁	Revision -
		III	E ₃	Logarithms & Antilogarithm
27/06	IV	III	E ₃	sequences
		V	E ₁	Revision
28/06	V	V	E ₃	Progressions - AP
28/06	V	I	E ₁	test paper
		II	E ₃	AP
		V	E ₃	GP
		V	E ₃	Problems - AP & GP

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Faculty Record Sheet

Date	Day order	Period	Class	Topic Covered
11/07	I	I	OC E3 open course	Introductions
		II	E2	market forms
		IV	E3	simple and compound interest
12/07	II	III	E3	Population growth & operations
		IV	E2	Perfect competition
13/07	III	I	OC E3 open course	Definitions of Economics
		II	E2	SR equilibrium under perfect competition
		IV	E3	net present value
14/07	IV	III	E3	Real number systems
		V	E2	short run equilibrium
15/07	V	I	E2	long run equilibrium under perfect competition
		II	E3	Properties of real numbers
		IV	E3	set-definitions & methods of representation
19/07	I	I	OC E3 open course	Central Economic problems
		II	E2	Role of time element in value
		V	E3	Types of sets
20/07	II	III	E3	Venn diagrams
		IV	E2	Derivation of Supply curve

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Date	Day order	Period	Class	Topic Covered
21/07	II	I	OC	Micro and Macro Economics
		II	E2	shut down point
		III	E3	set operations
24/07	IV	III	E3	Laws of set operations
		V	E2	Producer's surplus
		V	E3	Relations & functions
25/07	V	I	E2	merits and demerits of perfect competition
		II	E3	Types of functions
		V	E3	Function - types (contd.)
26/07	I	I	OC	Deduction and induction
		II	E2	monopoly - reasons & features
		V	E3	Functions & diagrams in Economics
27/07	II	III	E3	Functions & diagrams (contd.)
		IV	E2	short run equilibrium - monopoly
29/07	III	I	OC	Production possibility curve
		II	E2	monopoly - long run equilibrium
		III	E3	Matrices - signification & order
		V	E3	matrices - Types

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Faculty Record Sheet

Date	Day order	Period	Class	Topic Covered
08/18/22	IV	III II	E3	operations of matrices - Addition & subtraction
		V	E2	monopoly - critical appraisal
09/1	I	I	OC	Total & marginal utility
		II	E2	Price discrimination - conditions
		V	E3	subtractions of matrices
11/8	III	I	OC	Law of Demand and consumer equilibrium
		II	E2	Price & output - Price discrimination
		III	E3	multiplications of matrices
12/8	IV	III	E3	transpose of matrices
		V	E2	merits & demerits - Price discrimination
16/8	V	I	E2	degrees & types - Price discrimination
		II	E3	symmetric & skew symmetric matrices
		V	E3	determinants
17/8	I	I	OC	Law of demand - Reasons, assumptions
		II	E2	Dumping
		V	E3	determinants
19/8	II	III	E2	Bilateral monopoly & monopsony
		V	E3	Adjoint of matrix

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Faculty Record Sheet

Date	Day order	Period	Class	Topic Covered
21/8	III	I	OC	Exceptions to law of demand
		II	E2	social cost of monopoly
		III	E3	Inverse of matrix
30/8	I	I	OC	Elasticity of demand - Types
31/8	II	II	E2	regulations of monopoly
		V	E3	Cramer's rule
31/8	II	III	E3	Problem solving
		V	E2	monopolistic competition
1/9/22	III	I	OC	Factors influencing price elasticity
		II	E2	Accident differentiation & selling costs
		III	E3	Problem solving
13/9	I	I	OC	Law of supply - Assumptions, Exceptions
		II	E2	monopolistic competition - short run equilibrium
		V	E1	Introduction
		V	E3	Practical problems
14/9	II	II	E1	definitions of Economics
		III	E3	Practical problems
		V	E2	LR equilibrium - Monopolistic competition

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Date	Day order	Period	Class	Topic Covered
15/9/22	III	I	OL	National Income - concepts
		II	E2	Ideal output and excess capacity
		III	E3	Probability - meaning & definition
16/9/22	IV	IV	E3	Probability - scope in Economics
		V	E1	Nature & scope of Economics
		VI	E2	Limitations - monopolistic competition
20/9	I	I	OL	negotiable instruments
		II	E2	Oligopoly - features
		III	E1	subject matter of Economics
		IV	E3	Different approaches to probability
22/9	II	I	E1	Economics - A science or an art
		II	E3	classical approach - problems
		III	E2	Sneezy model of oligopoly
23/9	III	I	OL	negotiable instruments
		II	E2	non-collusive oligopoly
		III	E3	Terms related to probability
26/9	IV	III	E3	Terms related to probability (contd.)
		IV	E1	Positive & normative Economics

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Faculty Record Sheet

Date	Day order	Period	Class	Topic Covered
		IV	E2	collusive oligopoly
27/9	IV	I	E2	Test paper
		II	E3	Test paper
		IV	E3	theorems of probability - Addition theorem
28/9	I	I	OL	negotiable instruments (contd.)
		II	E2	Price leadership types
		IV	E1	Importance of the study of Economics
		V	E3	Addition theorem (contd.)
30/9	III	I	OL	Banking institutions
		II	E2	Limit pricing
		III	E3	multiplication theorem
3/10	I	I	OL	non-banking financial institutions
		II	E2	Cartel plus pricing
		IV	E1	Economic theory & economic laws
		V	E3	Practical problems
6/10	IV	III	E3	conditional probability
		IV	E1	micro & macro economics
		V	E2	Functional & personal distribution

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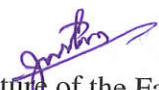
Faculty Record Sheet

Date	Day order	Period	Class	Topic Covered
7/10/22	V	I	E2	Terms related to factor productivity
		II	E3	combinations
		V	E3	Practise problems
10/10/22	I	I	OC	Commercial Bank - Functions
		II	E2	marginal productivity theory
		IV	E1	Role of Assumptions in Economics
		V	E3	Random variable & probability distribution
11/10	II	II	E1	Inductive method
		III	E3	Binomial distribution - Assumption
		IV	E2	Factor price determination in perfect competition
12/10	III	I	OC	RBI - Functions
		II	E2	Imperfect competition & factor market
		III	E3	Problem solving
13/10	IV	III	E3	Binomial distribution - properties
		IV	E1	Inductive method
		V	E2	Riordan's theory of Rent
17/10	I	I	OC	money and capital markets
		II	E2	Quasi rent, modern theory of rent

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Faculty Record Sheet

Date	Day order	Period	Class	Topic Covered
		IV	E1	Economic models
		V	E3	Normal distribution
18/10	II	II	E1	various concepts - Functions, variable types
		III	E3	Test paper
		IV	E2	wages - trade unions
		V	E3	Normal distribution - Properties
19/10	III	I	OC	Insurance
		II	E1	Interest - theories - Loanable Fund theory
		III	E3	standard normal distribution
20/10	IV	III	E3	Practise problems
		IV	E2	Concept of equilibrium - Partial & general
		V	E2	liquidity preference theory
21/10	V	I	E2	Profit - Theories of profit
		II	E3	Practise problems
		V	E3	Practise problems
25/10	I	I	OC	Stock Exchange - SEBI
		II	E2	Welfare Economics - concepts
		IV	E1	General equilibrium

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Faculty Record Sheet

Date	Day order	Period	Class	Topic Covered
		I	E3	Test paper
26/10	II	I	E1	Economic status and dynamics
		III	E3	Practise problems
		IV	E2	Edgeworth Box diagram
27/10	III	I	OC	mutual Funds
		II	E2	criteria of social welfare - GNP, Bentham
		III	E3	Revision
28/10	IV	III	E3	Revision
		IV	E1	Comparative status, nominal & real
		V	E2	Cardinalist criterion, Ordinal criterion
31/10	V	I	E2	Pareto criterion (contd...)
		II	E3	Revision
		IV	E3	Test paper
1/11	I	I	OC	Terms of trade, Balance of trade, ^{Balance of payments}
		II	E2	Revision
		IV	E1	Test paper
		V	E3	Practise problems
2/11	I	II	E1	Different branches of science

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Date	Day order	Period	Class	Topic Covered
		III	E3	Practise problems
		IV	E2	Test paper
3/11	III	I	OC	Foreign Exchange - Exchange rate
		II	E2	Revision
		III	E3	meaning and definition of statistics
4/11	IV	I	OC	IMF & IBRD
		III	E3	Role of statistics in Economics
		IV	E1	Scientific method
		V	E2	Revision
7/11	V	I	E2	Revision
		II	E3	Functions & Limitations of statistics
		IV	E3	meaning and significance of data
8/11	I	I	OC	WTO
		II	E3	Primary data - methods of collection
		IV	E1	Test paper
		V	E3	Secondary data - sources
9/11	II	II	E1	Basic features of social science
		III	E3	Census method

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Faculty Record Sheet

Date	Day order	Period	Class	Topic Covered
		IV	E3	sample method
10/11	III	I	OC	Revision
		III	E3	merits & demerits of sampling
		V	E3	Differentiation - Rules
11/11	IV	III	E3	sampling designs - Probability method
		IV	E1	social science disciplines
		V	E3	simple random sampling method
12/11	V	I	E3	Types of functions
		II	E3	Limit and continuity
		V	E3	Complex random sampling method
15/11	I	I	OC	Revision
		II	E3	non-probability sampling methods
		IV	E1	Relations of Economics to other subjects
		V	E3	non-probability sampling methods
16/11	II	II	E1	Interdisciplinary approach - need
		III	E3	slope of non-linear function
		IV	E3	classification of data - Types
17/11	II	I	E3	Implicit differentiation

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Faculty Record Sheet

Date	Day order	Period	Class	Topic Covered
		IV	E3	classification & tabulation
		V	E3	Test paper
18/11	IV	III	E3	Tabulation - Parts of table
		IV	E1	Test paper
		V	E3	Economic applications of derivatives
21/11	V	I	E3	Diagrams and graphs
		III	E3	Functions of several variables
		V	E3	Types of diagrams
22/11	I	I	E3	Partial derivatives
		II	E3	Types of diagrams (contd...)
		IV	E1	objectivity in social science
		V	E3	Graphs - types - Frequency graphs
23/11	II	II	E1	subjectivity in social science
		IV	E3	Frequency graphs (contd...)
		V	E3	ogives
24/11	III	I	E3	Rules of partial derivatives
		III	E3	Time series graphs
		V	E3	Partial derivatives - rules (contd...)

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Faculty Record Sheet

Date	Day order	Period	Class	Topic Covered
25/11	IV	III	E3	second order partial derivatives
		IV	E1	difference bet objectivity and ^{subjectivity}
		V	E3	measures of central tendency - AM
8/12	IV	III	E3	optimizations - multivariate function
		IV	E1	Factors affecting objectivity
		V	E3	AM (contd -)
9/12	IV	I	E3	optimizations (contd -)
		II	E3	weighted AM & combined AM
		IV	E3	mathematical properties of AM
13/12	II	II	E1	test paper
		III	E3	Problem solving (optimization)
		IV	E3	problems solving - AM
14/12	III	I	E3	constrained optimization - Lagrange ^{multiplier}
		II	E3	constrained optimization (contd -)
		IV	E3	median
15/12	IV	III	E3	Problem solving - Lagrange multiplier
		IV	E1	limits to objectivity on social sciences
		V	E3	median

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Date	Day order	Period	Class	Topic Covered
16/12	V	I	E1	difference bet. rational & social sciences
19/12	I	IV	E1	Test paper
20/12	II	II	E1	presentation of models - verbal ^{and mathematical}
21/12	III	I	E1	models - graphical & logical flow ^{models}
22/12	IV	IV	E1	Variables - dependent and independent
31/123	I	V	E1	general equilibrium analysis
4/1	II	II	E1	Economic status
5/1	III	I	E1	Economic dynamics
16/1	IV	III	E3	Differentials - total & partial
		IV	E1	steps in deductive and inductive ^{methods}
		V	E3	median - graphical calculation
18/1	II	II	E1	Test paper
		III	E3	mode
		IV	E3	mode - calculation
19/1	III	I	E3	Total derivatives
		II	E3	mode - calculation (contd -)
		IV	E1	Revisions
		V	E3	Geometric mean

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Date	Day order	Period	Class	Topic Covered
20/11	IV	III	E3	Logarithm and inverse function rules
		IV	E1	Revision
		V	E3	Harmonic mean
23/11	V	I	E3	Economic applications of partial derivatives
		II	E3	measures of dispersion - absolute & relative
		IV	E3	Economic applications - Partial derivatives
24/11	I	I	E3	Integral calculus - definite integrals
		II	E3	Rules of integration
		IV	E1	Revision
		V	E3	Range, Quartile deviation
25/11	II	II	E1	Test paper
		III	E3	Rules of integration (contd...)
		IV	E3	Quartile deviation
27/11	III	I	E3	Integration by substitution
		III	E3	mean deviation
		IV	E3	Integration by parts
31/11	IV	III	E3	mean deviation (contd...)
		IV	E1	Revision

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Faculty Record Sheet

Date	Day order	Period	Class	Topic Covered
		V	E3	definite integrals - properties
1/12/23	V	I	E3	standard deviation
		II	E3	standard deviation (contd...)
		III	E3	Area under & between curves
2/12	I	I	E3	Economic applications of integrals
		II	E3	consumer and producer surplus
		IV	E1	micro economics - subject matter
		V	E3	Practise problem - C.S and P.S.
3/12	II	II	E1	uses & limitations of micro economics
		III	E3	Coefficient of variation
		IV	E3	practise problems - SD and CV
7/12	IV	III	E3	Lorenz curve - Economic application
		IV	E1	definitions of economics
		V	E3	correlation - Types
13/12	III	I	E3	methods of studying correlation ^{scatter diagram}
		III	E3	Karl Pearson's correlation coefficient
		IV	E1	Scarcity definition
		V	E3	Problem solving - correlation coefficient

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Faculty Record Sheet

Date	Day order	Period	Class	Topic Covered
14/2	IV	IV	E3	Rank correlation
		IV	E1	central problems of an economy
		V	E3	Rank correlation (contd...)
15/2	V	I	E3	Regression - meaning & importance
		II	E3	Regression lines
		IV	E3	Regression equations
16/2	I	I	E3	Prediction of values from regression equations
		II	E3	Relation bet. correlation & regression
		IV	E1	central economic problems (contd...)
		V	E3	Identification of regression lines
17/2	II	II	E1	Production possibility curve
		III	E3	Index numbers - types, importance
		IV	E3	methods of constructing index numbers
20/2	III	I	E3	Cost of living index numbers
		II	E3	Tests of index number formulae
		IV	E3	Time series analysis - meaning, uses
23/2	I	I	E3	components of time series
		II	E3	measuring trend - methods

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Date	Day order	Period	Class	Topic Covered
		IV	E1	minor economic policy goals
		V	E3	Trend measurement
14/3	IV	III	E3	Trend measurement (contd...)
		IV	E1	Economic systems - capitalism
		V	E3	Revision
16/3	I	IV	E1	Socialism
17/3	II	II	E1	mixed economy - Indian case
24/3	IV	IV	E1	Test paper
27/3	I	IV	E1	short run and long run
28/3	II	II	E1	Partial equilibrium
30/3	IV	IV	E1	general equilibrium

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Faculty Record Sheet

Date	Day order	Period	Class	Topic Covered
01/06/23	I	II	E3	Syllabus discussion
		III	E3	Introduction
02/06/23	II	I	E3	matrices
		II	E3	order of matrix
05/06/23	III	II	E3	types of matrices
		IV	E3	operations on matrices - Addition
		V	E3	operations - subtraction & scalar multiplication
07/06/23	IV	II	E3	operations - multiplication
		III	E3	multiplication (contd...)
8/06/23	09/06/23	IV	E3	transpose of matrices
12/06/23	I	I	E3	Symmetric & skew symmetric matrices
		II	E3	Symmetric (contd...)
		IV	E3	determinants
13/06	II	I	E3	rank of a matrix
		II	E3	co-factor of a matrix
		IV	E2	Revision of II semester
		V	E3	determinant - 3x3 matrix
24/06	III	I	E2	Revision I semester

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Faculty Record Sheet

Date	Day order	Period	Class	Topic Covered
		II	E3	Properties of determinants
		IV	E3	Adjoint of a matrix
15/06	IV	I	E3	Inverse of a matrix
		II	E2	market forms
		III	E3	Inverse of a matrix (contd...)
		V	E3	Properties of inverse
16/06	V	I	E3	Cramer's rule
		II	E2	Perfect competition
		III	E3	Practise problems
		IV	E3	Practise problems
19/06	I	II	E3	Practise problems
		V	E3	Limit
20/06	II	I	E3	continuity
		II	E2	Perfect competition - SR equilibrium
		III	E3	Practise problem
24/06	III	I	E2	Perfect competition - LR equilibrium
		IV	E3	Differentiation - mean value
		V	E3	Differentiation - Rules

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Faculty Record Sheet

Date	Day order	Period	Class	Topic Covered
22/06	IV	I	E3	Rules of differentiations (contd..)
		II	E2	combination of supply curve
		III	E3	Rules (contd..)
		IV	E3	Test paper
23/06	V	II	E3	First & second order derivatives
		IV	E3	max. and min. of functions
26/06	I	II	E3	Practice problems (max & min)
		II	E2	Short down point
		III	E3	Practice problems (max and min)
		IV	E3	Applications of derivatives
27/06	II	I	E3	Applications (contd..)
		II	E2	Producer surplus
		IV	E3	Applications (contd..)
30/06	III	I	E3	Practice problems
		II	E2	units and elements of PC
		IV	E3	Test paper
02/07	IV	I	E3	Practice problems
		II	E3	Practice problems

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Date	Day order	Period	Class	Topic Covered
07/07	IV	I	E3	Set theory
		IV	E3	Forms of sets
10/07	I	I	E3	Forms of sets (contd..)
		IV	E2	Monopoly - Features
				E3 study leave for semester exam
				Leave due to fever
19/07	III	I	E2	Short run equilibrium - monopoly
				E2 study leave for semester exam
07/08	I	I	E3	Venn diagrams
		II	E3	Set operations
02/08	II	IV	E3	Laws of set operations
08/08	II	I	E3	Definitions of Economics
09/08	II	III	E3	Practice problem
		IV	E3	Ordered pairs - relations
10/08	IV	II	E3	Functions
		III	E2	Monopoly - LR equilibrium
11/08	IV	I	E3	central economic problems
		IV	E3	Types of functions

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Date	Day order	Period	Class	Topic Covered
14/08	I	I	OC	deductive and inductive methods
		IV	E2	Price discrimination
16/08	I	I	E2	Price & output - price discrimination
		II	E3	Functions & diagrams in Economics
17/08	III	II	E3	Definitions of Economics
21/08	IV	I	open OC	Demand - Law of demand
		II	E3	Functions & diagrams (contd...)
		III	E2	Degrees & Types - Price discrimination
22/08	V	II	E2	merits & demerits monopoly
		IV	E3	numerical measurements
23/08	I	III	E3	Solutions of simultaneous equations
4 to 9/9/23	IV	II	E2	Monopoly, monopoly, natural monopoly
11/09	I	I	OC	Assumptions - Elasticity of demand
		II	E2	Regulation of monopoly
		IV	E3	equilibrium - AP and BP
12/09	I	II	E1	Scope of Economics
		III	E2	Test paper
		IV	E3	Simple interest & compound interest

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Date	Day order	Period	Class	Topic Covered
		IV	E2	monopolistic competition - Features
13/09	II	I	OC	Law of supply
		III	E1	Economic theory and law
		IV	E3	Number systems
14/09	IV	III	E3	Probability - Imp. Terms
		V	E2	monopolistic competition - SR & LR
15/09	V	I	E3	Probability - approaches
		II	E2	monopolistic competition - Excess capacity
		IV	E3	Probability - solve problems
18/09	I	I	OC	National income - concepts
		II	E2	Oligopoly - features
		IV	E3	Probability - Addition theorem
19/09	II	II	E1	Role of assumptions in Economics
		III	E3	Probability - Addition theorem
		IV	E2	Kinked demand curve
		V	E3	Probability - multiplication theorem
25/09	IV	II	E3	combinations
		V	E2	kinked demand curve

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Date	Day order	Period	Class	Topic Covered
		IV	E3	Problem solving
26/09	IV	II	E2	collusive and non-collusive
		IV	E3	Problems - Practice
27/09	V	II	E3	Practice problems
		IV	E2	Cartels & Price leadership
		V	E3	Random variable
3/10	IV	II	E3	Probability distribution
		IV	E2	marginal Productivity theory
4/10	V	I	E3	Binomial distribution
		IV	E2	Factor Pricing - Perfect & imperfect competition
		V	E3	Binomial distribution
5/10				College union election
6/10	I	I	OC	RBI
		II	E1	ICT & Problem solving
		IV	E3	Binomial distribution - Properties
9/10				st. Xavier's college Alwa, subject expert in
				for the screening committee for promotion
				of Sr. Sindhur

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Date	Day order	Period	Class	Topic Covered
10/10	III	I	OC	credit control & money market
		II	E3	cross cutting issues & seminars
		III	E2	Binomial distribution - Problems
		IV	E3	normal distribution
		V	E2	Random study of rent
11/10	IV	II	E3	seminar Peer teaching
		III	E3	normal distribution
		V	E2	wages
11/10 & 12/10				meeting of BOS chairpersons at MG university
16/10	II	II	E1	method & methodology
		IV	E3	normal distribution
		V	E2	Interest theories - Liquidity Preference & Loanable Funds Theories
17/10	III	II	OC	capital market
		III	E1	deductive method
		IV	E3	normal distribution
18/10	IV	III		
		V		

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