

J.J. College of Arts and Science (Autonomous)
Department of Physics

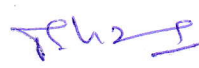
Proposed Course Structure based on TANSCHÉ and UGC - LOCF
(Choice Based Credit System)
(Applicable for the Candidates admitted from academic year 2023-2024 Onwards)

B.Sc. Physics - Semester I

Sl.No.	Course Category	Course Code	Course	Overall Credits	Total Contact Hours/Week	Marks		
						CIA	ESE	Total
Semester I								
1	Part - I	U1R3TL1/ HL1/FL1	Language - I (Tamil/Hindi/French)	3	6	25	75	100
2	Part - II	U1R3EL1	Language - II (English)	3	6	25	75	100
3	Part - III	U1R3PHCC1	Properties of Matter and Sound	5	6	25	75	100
4		U1R3PHCC2P	Major Practical - I	5	3	40	60	100
5		U1R3PHDSE1	Mathematics - I	3	5	25	75	100
6	Part - IV	U1R3PHSEC1 (NME)	To be opted from other Department	2	2	25	75	100
7		U1R3PHFC	Introductory Physics	2	2	25	75	100
Total				23	30			700

M.Sc. Physics - Semester I

Sl.No.	Course Code	Course	Overall Credits	Total Contact Hours/Week	Marks		
					CIA	ESE	Total
Semester I							
1	P1R3PHCC1	Mathematical Physics	5	7	25	75	100
2	P1R3PHCC2	Classical Mechanics and Relativity	5	7	25	75	100
3	P1R3PHCC3P	Practical - I	4	6	40	60	100
4	P1R3PHDSE1	Anyone from the List	3	5	25	75	100
5	P1R3PHDSE2	Anyone from the List	3	5	25	75	100
Total			20	30			500


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Proposed Course Structure based on TANSCH and UGC - LOCF
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B.Sc. Physics - Semester II

Sl.No.	Course Category	Course Code	Course	Overall Credits	Total Contact Hours/Week	Marks		
						CIA	ESE	Total
Semester II								
1	Part - I	U2R3TL2/ HL2/FL2	Language - I (Tamil/Hindi/French)	3	6	25	75	100
2	Part - II	U2R3EL2	Language - II (English)	3	6	25	75	100
3	Part - III	U2R3PHCC3	Heat, Thermodynamics and Statistical Physics	5	5	25	75	100
4		U2R3PHCC4P	Practical II - (Covering CC3)	5	5	40	60	100
5		U2R3PHDSE2	Mathematics - II	3	4	25	75	100
6	Part - IV	U2R3PHSEC2 (NME2)	To be opted from other Department	2	2	25	75	100
7		U2R3PHSEC3	Physics for everyday life	2	2	25	75	100
Total				23	30			700

M.Sc. Physics - Semester II

Sl.No.	Course Code	Course	Overall Credits	Total Contact Hours/Week	Marks		
					CIA	ESE	Total
Semester II							
1	P2R3PHCC4	Statistical Mechanics	5	6	25	75	100
2	P2R3PHCC5	Quantum Mechanics - I	5	6	25	75	100
3	P2R3PHCC6P	Practical II - (Covering CC4, CC5)	4	6	40	60	100
4	P2R3PHDSE3	Linear and Digital IC's and Applications	3	4	25	75	100
5	P2R3PHDSE4	Microprocessor 8085 and Microcontroller 8051	3	4	25	75	100
6	P2R3PHSEC1	Solid Waste Management (SWM)	2	4	25	75	100
Total			22	30			600


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