



**SEMESTER SYLLABUS  
M.Sc. PHYSICS**

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**SCHEME OF EXAMINATION & DISTRIBUTION OF MARKS**

**SEMESTER I**

Paper No.	Title of the Paper	Internal Assessment	Term End Exam	Total Marks
1.	Mathematical Methods-I	20	80	100
2.	Classical Mechanics	20	80	100
3.	Numerical Methods and C Programming	20	80	100
4.	Electronics-I	20	80	100
LAB I	General	-	-	100
LAB II	Computer Programming	-	-	100
<b>TOTAL</b>				<b>600</b>

**SEMESTER II**

Paper No.	Title of the Paper	Internal Assessment	Term End Exam	Total Marks
1.	Mathematical Methods-II	20	80	100
2.	Quantum Mechanics-I	20	80	100
3.	Electrodynamics	20	80	100
4.	Electronics-II	20	80	100
LAB I	Electronics (Devices)	-	-	100
LAB II	Electronics (Circuits) Power supply, Amplifier, Oscillators, Modulation, Detection etc.	-	-	100
<b>TOTAL</b>				<b>600</b>

**SEMESTER III**

Paper No.	Title of the Paper	Internal Assessment	Term End Exam	Total Marks
1.	Quantum Mechanics II	20	80	100
2.	Statistical Mechanics	20	80	100
3.	Condensed Matter Physics I	20	80	100
4.	Electronics III	20	80	100
LAB I	Condensed Matter Physics	-	-	100
LAB II	Digital Electronics	-	-	100
<b>TOTAL</b>				<b>600</b>

**SEMESTER IV**

Paper No.	Title of the Paper	Internal Assessment	Term End Exam	Total Marks
1.	Condensed Matter Physics II	20	80	100
2.	Nuclear Physics	20	80	100
3.	Atomic and Molecular physics	20	80	100
4.	Electronics IV	20	80	100
5.	Project	-	-	200
<b>TOTAL</b>				<b>600</b>
<b>GRAND TOTAL</b>				<b>2400</b>



*[Handwritten Signature]*

# Govt. T.C.L. College Janjgir (C.G.)

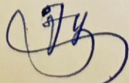
Department of Physics

M.Sc. IV Sem.

(Session 2020-21)

S.N.	Student's Name	Father's Name	Project Details
1.	ABHINEET MISHRA	BALKRISHNA MISHRA	✓ Industrial Visit At Madwa Power Plant
2.	DHANANJAY	SHYAM SHUNDAR	
3.	VIBHA CHOUBEY	V.K. CHOUBEY	
4.	VIKAS YADAV	GURUDEV PRASHAD	✓ Industrial Visit At Prakash Industries
5.	RAHUL RATREY	RAMDHAN	
6.	BHUMIKA RAHU	PREM DAS SAHU	
7.	NEHA PATEL	SANAT KUMAR PATEL	
8.	ANKITA DEWANGAN	MULCHAND DEWANGAN	Review of Nano - Particles
9.	TEJASWANI YADAW	CHANDRAPAL YADAV	✓ Working of Model of Optical Fibre
10.	DEEPIKA UAIKE	JHAGAR SINGH UAIKE	
11.	NEHA SAHU	SURESH KUMAR SAHU	
12.	MANISHA RATHORE	DILHARAN PRASHAD RATHORE	✓ Road Safety Model
13.	JYOTI RATHORE	SANTOSH KUMAR	
14.	KHUSHBOO PRADHAN		
15.	GULSHAN KUMAR	MAHAJAN	✓ Working Operation of PIR
16.	MUKESH NARMADA	BUDHRAM	
17.	JHANSHI SAHU	VINAYAK KUMAR SAHU	
18.	RAMESHWAR KARSH	SURUTI LAL	✓ Home Automation System
19.	ANJU TANDEY	SANTOSH KUMAR	
20.	BHARTI SAHU	DEEPAK KUMAR	
21.	INDU MADHUKAR	LAKHAN LAL	
22.	PRAWIN KUMAR	SHASHIDHAR	✓ Light Fidelity
23.	JYOTI GUPTA	VATSA GUPTA	
24.	SHASHI KASHYAP	AMARNATH	
25.	TEJESHWANEE YADAW	PREM SINGH YADAV	
26.	SUDHIR KUMAR LAHRE	TEEKA RAM LAHRE	Water level Indicator



  
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