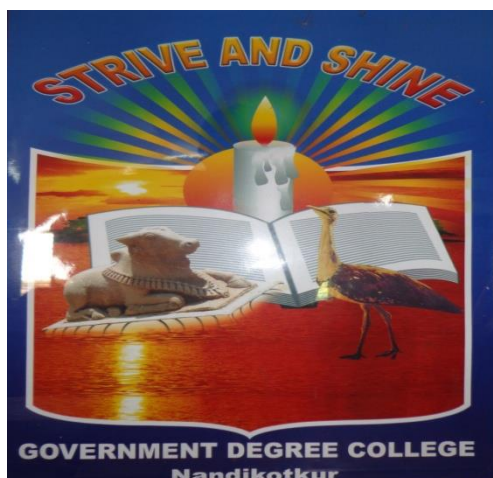


Government Degree College, Nandikotkur



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

TEACHING DIARY 2020-21

GDC-NDK
TEACHING DIARY

Month... NOV 2020

Week... I

Semester... III 2 V

Year... 2020-21

Date & Day	Class	Period/ Timings	Topic Covered / Co-Curricular Activity Conducted	Methodology Adopted	Teaching Aids used	No. of Students attended	Student Activity Assigned	Any other Activity
2/11/2020 MON	II MPES	I	Introduction Aberrations - Types	Explanatory	Chart	2	syllabus given	questions asked
3/11/2020 TUES	II MPES	I	Monochromatic Spherical Aberration	Explanatory	Chart	2	Notes given to write	definitions asked
4/11/2020 WED	III MPES	III	Introduction Atomic, Molecular Physics	Explanatory	Black Board	2	syllabus given	questions asked
5/11/2020 THU	II MPES	II	Deriving Bohr model Methods of measuring Spherical Aberration	derivation	Black Board	2	write notes regularly	definitions asked
6/11/2020 FRI	II MPES	III	Methods of measuring Spherical Aberration	Explanatory	Black Board	1	write notes regularly	definitions asked
7/11/2020 SAT	III MPES	IV & V	practical	Explanatory	Group By doing	3	practicals	observations verified
8/11/2020 SAT	III MPES	III	Sommerfeld's elliptical orbits Relativistic correction	Explanatory	Black Board	2	Notes given to write	definitions asked
	II MPES	IV & V	Practical	Explanatory	Group By doing	2	practicals	values verified
8/11/20	←	→	Being Sunday holiday					

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GDC-NDK
TEACHING DIARY

Month.....Nov.....

Week.....II.....

Semester.....III 20.....

Year.....2020-21.....

Date & Day	Class	Period/ Timings	Topic Covered / Co-Curricular Activity Conducted	Methodology Adopted	Teaching Aids used	No. of Students attended	Student Activity Assigned	Any other Activity
<u>Mon</u> 9.11.2020	<u>II MPCs</u>	<u>I</u>	<u>CoMA</u>	<u>Micro Induct</u>	<u>Marker</u>	<u>1</u>	<u>Examination</u> <u>prepare well for</u>	<u>Diagram practical</u>
<u>Tue</u> 10.11.2020	<u>II MPCs</u>	<u>I</u>	<u>ASTIGMATISM</u>	<u>Reduction</u>	<u>Black Box</u>	<u>✓</u>	<u>prepare notes</u>	<u>Diagram practical</u>
<u>Wed</u> 11.11.2020	<u>II MPCs</u>	<u>I</u>	<u>vector atomic Model</u>	<u>Explain</u>	<u>show</u>	<u>1</u>	<u>Notes given</u>	<u>questions asked</u>
<u>Thu</u> 12.11.2020	<u>II MPCs</u>	<u>II</u>	<u>Stern-Gerlach Expt</u>	<u>Explanatory</u>	<u>Black Box</u>	<u>2</u>	<u>Notes given to the</u> <u>student</u>	<u>Diagram</u> <u>practiced</u>
	<u>II MPCs</u>	<u>III</u>	<u>Curvature field - distortion</u>	<u>Explain</u>	<u>Black Box</u>	<u>✓</u>	<u>Notes given to the</u> <u>the topic</u>	<u>solve problems on</u> <u>questions asked</u>
<u>Fri</u> 13.11.2020	<u>II MPCs</u>	<u>III</u>	<u>chromatic Aberration - achromatic doublet</u>	<u>Induct</u>	<u>Marker</u>	<u>3</u>	<u>Notes given to write</u>	<u>Definitions</u> <u>asked</u>
	<u>III MPCs</u>	<u>IV & V</u>	<u>Practicals</u>	<u>Explain</u>	<u>Demonstr</u>	<u>✓</u>	<u>practicals</u>	<u>values noted</u> <u>down</u>
<u>SAT</u> 14.11.2020	<u>←</u>		<u>Second SATURDAY</u>	<u>→</u>				
<u>SUN</u> 15.11.2020	<u>←</u>		<u>Being Holiday</u>	<u>→</u>				

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GDC-NDK
TEACHING DIARY

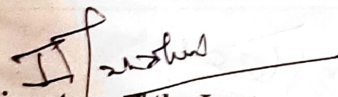
Month.....NOV.....

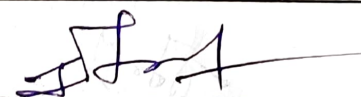
Week.....III.....

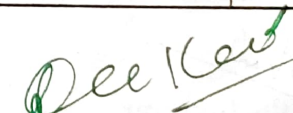
Semester.....III & V.....

Year.....2020-21.....

Date & Day	Class	Period/ Timings	Topic Covered / Co-Curricular Activity Conducted	Methodology Adopted	Teaching Aids used	No. of Students attended	Student Activity Assigned	Any other Activity
Mon 16.11.2020	II MP3	I	Achromatic lens - Two lenses in contact	Induction	Black R	2	Notes given to the student	practice diagram
Tue 17.11.2020	II MP3	I	Achromatic lens - Two lenses separated by distance	Deduction	Black Board	2	Notes given to the student	prepare notes on the topic
Wed 18.11.2020	III MP3	I	L-S as j-j coupling	Explan.	chalk	2	Notes given to write	questions asked
Thue 19.11.2020	IV MP3	I	Zernann exp - Exptal Array	Explan	Black R	2	prepare well for test	definitions asked
Fri 20.11.2020	II MP3	III	Introduction to Interference Principle of Superposition	Explan	Black R	2	problems given to solve	formulas asked
	III MP3	IV & V	coherence as Types	Explan.	Black R	2	problems solvation	definitions asked
	III MP3	IV & V	Practicals	Explan	Demo by lamp	1	practicals	observations verified
SAT 21.11.2020	III MP3	III	Zernann effect by Exptal Verifich.	Explan	Black R	2	problems given to solve	formulas asked
	IV MP3	V, VI	Practicals.	Explan	Demo by lamp	2	practicals	values noted
22.11.2020			Holiday due to	Sunday				


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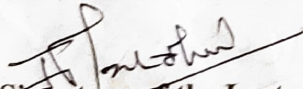

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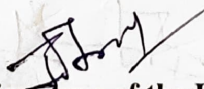

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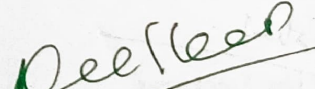
GDC-NDK
TEACHING DIARY

Month NOV Week IV Semester III cy V Year 2020-21

Date & Day	Class	Period/ Timings	Topic Covered / Co-Curricular Activity Conducted	Methodology Adopted	Teaching Aids used	No. of Students attended	Student Activity Assigned	Any other Activity
23/11/2020 Mon	II MPCS	I	Fresnel - Bi Prism - determination of μ_g light	Explain	Black Bn	2	prepare for exam	questions asked
24/11/2020 Tue	II MPCS	I	Change of phase on reflection	Explain	Black Bn	2	Notes given to write	formulas asked
25/11/2020 Wed	II MPCS	I	Seminar on Stern - Gerlach exp.	Explain	Black Bn	2	prepare notes	Diagram practical
26/11/2020 Thu	II MPCS	II	Distance b/w centres of two atoms.	Explain	Black Bn	3	Notes given to write	Definitions asked
	II MPCS	III	Interfering Wedge layer	Demonstr.	Many Methods	2	Draw	Diagram neatly
27/11/2020 Fri	II MPCS	II	Lloyd's mirror - calculation of wave length	Explain	Black Bn	2	Derivation neatly	questions asked
	II MPCS	IV & V	Practicals	Explain	Demo by lab	2	practicals	Record work
28/11/2020 SAT	II MPCS	III	Vector atomic model	Explain	Black Bn	3	Notes prepare on the topic	Definitions asked
	II MPCS	IV, V	Practicals	Explain	By lab	2	Practicals	Record work
29/11/2020 SUN			Holiday Being	Sunday				


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TEACHING DIARYMonth... Nov & DecWeek... Dec I StrokeSemester... III & VYear... 2020-21

Date & Day	Class	Period/ Timings	Topic Covered / Co-Curricular Activity Conducted	Methodology Adopted	Teaching Aids used	No. of Students attended	Student Activity Assigned	Any other Activity
<u>Mon</u> 30.11.2020	<u>II MPA</u>	<u>I</u>	Interference by transparent layer of varied thickness - Wedge method.	Induction	Black Bk	2	Syllabus given	questions asked
<u>December</u>								
<u>Tues</u> 01.12.2020	<u>II MPA</u>	<u>I</u>	VISIT TO Rehabilitation Centre (Field trip)	Field trip	Black Bk	2	field trip	definitions asked
<u>Wed</u> 02.12.2020	<u>III MPA</u>	<u>I</u>	Quantum numbers & vector notation	Explain	Black Bk	3	notes given to write	definitions asked
<u>Thu</u> 03.12.2020	<u>II MPA</u>	<u>II</u>	L-saw I - & computing	Explain	Black Bk	2	prepare notes on the topic	questions asked
	<u>II MPA</u>	<u>III</u>	Cosine Law	Deduction	Black Bk	2	notes given	definitions asked
<u>Fri</u> 04.12.2020	<u>II MPA</u>	<u>III</u>	colours & thin films	Explain	Black Bk	2	prepare for exams	questions asked
	<u>IV MPA</u>	<u>IV & V</u>	Practicals	Explain	Demonstrator	3	practicals	observation verified
<u>SAT</u> 05.12.2020	<u>III MPA</u>	<u>III</u>	Zeman effect: $d\lambda = -\frac{\lambda^2}{c} d\omega$ Zeman shift	Explain	Black Bk	3	practice derivation	definitions asked
	<u>II MPA</u>	<u>IV, V</u>	Practicals	Explain	Demonstrator	2	practicals	Record work
6-12-2020			Holiday being Sunday					

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GDC-NDK
TEACHING DIARY

Month... December

Week... I of III

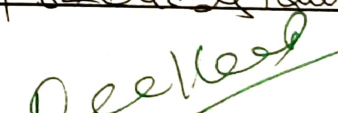
Semester... III at V

Year... 2020-21

Date & Day	Class	Period/ Timings	Topic Covered / Co-Curricular Activity Conducted	Methodology Adopted	Teaching Aids used	No. of Students attended	Student Activity Assigned	Any other Activity
7-12-2020 ^{Mon}	II MPES	I	Michelson Interferometer	Explainer	Chart	2	practice Diagram	asked
8-12-2020 ^{Tue}	II MPES	I	Bharat Bandh					
9-12-2020 ^{Wed}	III MPES	I	RAMAN effect based on Quantum theory	Deductive	Chart	3	Draw Diagram	questions asked
10-12-2020 ^{Thurs}	III MPES	II	Applications of Raman effect	Explainer	Placard	2	Notes given	Questions asked
	II MPES	III	Human rights day Celebration with		pervous			
11-12-2020 ^{Fri}	II MPES	III	Fresnel and Fraunhofer diffraction	Comparison	Chart	3	Derivation practice	asked
	III MPES	IV & V	Practicals.	Explainer	Demonstration by Lab asst.	2	practicals	Recd work
12-12-2020 ^{SAT}			Spot vacation from 12-12-2020 to 17-12-2020 at				GDC(N) Kurnool.	
13-12-2020 ^{Sun}			Sunday being Holiday					
18-12-2020 ^{Fri}	II MPES	III	Fraunhofer diffraction due to single slit	Explainer	Placard	2	Notes given to write	Diagram practice
	III MPES	IV & V	practicals.	Explainer	Bg lab asst.	2	practicals	questions asked


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GDC-NDK
TEACHING DIARY

Month December

Week IV

Semester III Sp. V

Year 2020-21

Date & Day	Class	Period/ Timings	Topic Covered / Co-Curricular Activity Conducted	Methodology Adopted	Teaching Aids used	No. of Students attended	Student Activity Assigned	Any other Activity
19.12.2020 SAT	III MP4	III	Framing of diffraction due to double slit	Explanation	Black Box	2	Learn diffraction ^{method} questions	asked
	II MP4	IV 9.5	practicals	Explor.	lab app.	2	practicals	Record work
20.12.2020	Holiday being Sunday							
21.12.2020 Mon	III MP4	I	Resolving power of Grating	Explanation	Black Box	3	prepare notes ^{topic} on the Diagram	practicals
22.12.2020 Tue	II MP4	I	Determination of wavelength λ by Normal incidence	Explor.	Black Box	2	notes given to the student	asked
		IV & V	Mathematics day Spoken on S. Ramanujan's greatest Mathematical way					
23.12.2020 Wed	III MP4	I	De Broglie hypothesis of matter waves	Explor.	Black Box	3	Notes given on ^{the topic} questions	asked
24.12.2020 Thu	III MP4	II	properties of Matter waves - Davisson and Germer expt	Explor.	Black Box	2	write note properly	practicals
	II MP4	III	diffraction Method of Minimum deviation method	Demonstr.	lab app.	1	practicals	observations verified
25.12.2020 Fri			National Holiday due to Christmas					
26.12.2020 SAT			Compensatory holiday					
27.12.2020	being Sunday Holiday							

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GDC-NDK
TEACHING DIARY

Month... December

Week... 4th

Semester... IIIrd

Year... 2020-21

Date & Day	Class	Period/ Timings	Topic Covered / Co-Curricular Activity Conducted	Methodology Adopted	Teaching Aids used	No. of Students attended	Student Activity Assigned	Any other Activity
28/12/2020 Mon	II M.P.	I	Fresnel half period zones, Zone plate	Explanation	Blackboard	1	Draw zone plate	questions asked
29/12/2020 Tue	II M.P.	I	Confirming Zone plate with converging	deduction	Black Board	1	Learn topic	questions asked
30/12/2020 Wed	III M.P.	I	Phase of Grating resolution	Explanation	Black Board	2	Notes given	asked definitions
31/12/2020 Thu	III M.P.	II	Heisenberg Uncertainty principle	deduction	Blackboard	3	prepare notes on the topic	asked questions
	III M.P.	III	for position, and momentum Difference b/w interference, diffraction	recalling	Black Board	2	Learn definition	definitions asked

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