



UNION CHRISTIAN COLLEGE ALUVA-2



SSR 5th CYCLE 2023



Criterion 1

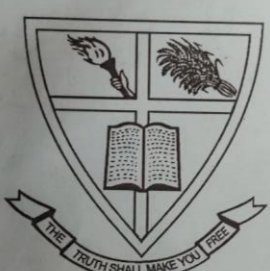
1.1.1 Curriculum Planning and Implementation



TEACHERS' DIARY: Samples

All the teachers maintain a diary comprising of the primary data on the students they teach, plans for courses, lessons, and student mark list etc. The Teacher's Diary makes it easier for the faculty to navigate through the academic year with methodically prepared data.

UNION CHRISTIAN COLLEGE
ALUVA - 683 102



ACADEMIC WORK DIARY
2019... - 2020...

Name of the Teacher : Rachel Reema Philip

Department : Physics



UNION CHRISTIAN COLLEGE, ALUVA

Affiliated to Mahatma Gandhi University, Kottayam, India

NAAC Re-Accredited with A Grade in 4th Cycle (CGPA 3.45)

www.uccollege.edu.in

SSR
5th CYCLE
2023

FACULTY PROFILE

Name : Dr. Rachel Reena Philip

Department : Physics

Designation :

Academic Qualifications : Ph.D.

Date of joining college : 1st June 1989

Date of Birth :

Employment ID/PEN number :

Address (Permanent) : Koppara, U.C.C.,
Aluva

Mobile No. : 94634 5072

Email : reenetara@gmail.com

-1-



TIME TABLE - ODD SEMESTER

	I	II	III	IV	V
Day 1	I M. Sc.		1 st Maths	← I Maths lab →	
Day 2	II M. Sc.		III B.Sc.	← I M. Sc. lab →	
Day 3	II M. Sc.	← I M. Sc. lab →		← II B.Sc. lab (Chem.) →	
Day 4					II Chem.
Day 5		II Chem.			

TIME TABLE - EVEN SEMESTER

	I	II	III	IV	V
Day 1	I M. Sc. (1 st sem)		II nd sem Maths	← I Maths lab →	
Day 2	II M. Sc. IV th sem		III B.Sc. VI th sem	← I M. Sc. lab →	
Day 3	II M. Sc.	← I M. Sc. lab →		← II B.Sc. lab. (Chem.) →	
Day 4					II Chem.
Day 5		II Chem.			



UNION CHRISTIAN COLLEGE, ALUVA

Affiliated to Mahatma Gandhi University, Kottayam, India

NAAC Re-Accredited with A Grade in 4th Cycle (CGPA 3.45)

www.uccollege.edu.in

SSR
5th CYCLE
2023

COURSE PLAN

Semester	Programme / Course	Semester	Programme / Course
IV	B.Sc. final year (Core) (Classical & Q.M.) Physcs	IV	id. Password
Lecture No.	Topics to be covered	Lecture No.	Topics to be covered
1.	Quantum mech. (classical)	12.	Probability current density
2.	Wien's & Rayleigh-Jeans	13.	Ehrenfest theorem
3.	Planck's rad. formula	14.	Eigen functions & eigen values
4.	Photo electric effect	15.	Postulates of Q.M.
5.	P.E.E (Contn)	16.	Operators, Superposition
6.	Compton	17.	Hermitian operator
7.	Bohr's Correspondence, dual nature De-Broglie	18.	Orthogonality & normality
8.	Davission - Germer expt.		
9.	Group & phase vel.		
10.	Time dependent Schrodinger eqn		
11.	Wave for. probability density		



UNION CHRISTIAN COLLEGE, ALUVA

Affiliated to Mahatma Gandhi University, Kottayam, India

NAAC Re-Accredited with A Grade in 4th Cycle (CGPA 3.45)

www.uccollege.edu.in

SSR
5th CYCLE
2023

COURSE PLAN			
Semester III	Programme / Course B.Sc (1 st year Chem Compl. Mechanics Phy & Magnetism	Semester (1 st & 2 nd year)	Programme / Course
Lecture No.	Topics to be covered	Lecture No.	Topics to be covered
1	Str. of atom	14	History (Radioactivity)
2	Bohr eqn.	15	Soddy Fajans dipt. law
3	Bohr eqn (Cont.)	16	Radioactive disintegration Energy eqn
4	Vector atom model	17	Basic Concepts (Decay conts)
5	Vector atom model (Contd)	18	Mean & half life ^{problems}
6	L-S & J-J Coupling	19	Radioactive equilibrium
7	Moments	20	Radioactive Series
8	Str. of Nucleus	21	Classification, Properties
9	" (Cont)	22	Properties of ^{radioactive} material
10	Moment	23	Radio, Carbon dating
11	B.E. of nucleus	24	Measurement of radioactivity
12	Fission "	25	Quantum mechanics (Intro)
13	Radioactivity	26	Inadequacy of classical Empirical evidence

DAILY WORK DIARY

JUNE

Date	Day	Zero Hour	I Hour	II Hour	III Hour	IV Hour	V Hour	Topics Taken	Hours not engaged	Reason	Extra hours taken
3/6 Mon	1	1M & 1M Sc			1 Sem Maths	← 1 Maths Lab →			1 Sem Not started		
4/6 Tue											
5/6 Wed											
6/6 Thu	1	1M & 1M Sc			1 Sem Maths	← 1 Maths Lab →			1 Sem Not started		
7/6 Fri	2	11M & 11M Sc			11B &	← 1 M.Sc Lab →			11M sc not started		
10/6 Sat	3	11M Sc ←	1M Sc Lab →			← 11B sc lab (Chem) →			11M sc not started		
11/6 Sun	4						11 Chem				
12/6 Mon	5				11 Chem						
13/6 Tue	1		1M Sc		1 Sem Maths	← 1 Maths Lab →			1st Maths not yet started		
14/6 Wed	2		11M Sc		11B Sc	← 1 M.Sc Lab →			11M sc not started		
17/6 Thu	3	← C.L →								C.L	
18/6 Fri	4						11 Chem				
19/6 Sat	5				11 Chem						
20/6 Sun	1		1 M.Sc		1 Sem Maths	← 1 Maths Lab →			1 Sem Not started		

Date	Day	Zero Hour	I Hour	II Hour	III Hour	IV Hour	V Hour	Topics Taken	Hours not engaged	Reason	Extra hours taken
21/6 Mon	2		11 M.Sc		11 B.Sc	← 1 M.Sc Lab →					
24/6 Tue	3		11 M.Sc		11 B.Sc	← 1 M.Sc Lab →					
25/6 Wed	4		11 M.Sc	← 1 M.Sc Lab →	← 11 B.Sc Lab →						
26/6 Thu	5						11 Chem				
27/6 Fri	1				11 Chem						
28/6 Sat	2		1 M.Sc		← 1 Sem Maths →	← 1 Maths Lab →					
29/6 Sun	3										
30/6 Mon	4										
1/7 Tue	5										
2/7 Wed	1										
3/7 Thu	2										
4/7 Fri	3										
5/7 Sat	4										
6/7 Sun	5										
7/7 Mon	1										
8/7 Tue	2										
9/7 Wed	3										
10/7 Thu	4										
11/7 Fri	5										
12/7 Sat	1										
13/7 Sun	2										
14/7 Mon	3										
15/7 Tue	4										
16/7 Wed	5										
17/7 Thu	1										
18/7 Fri	2										
19/7 Sat	3										
20/7 Sun	4										
21/7 Mon	5										
22/7 Tue	1										
23/7 Wed	2										
24/7 Thu	3										
25/7 Fri	4										
26/7 Sat	5										
27/7 Sun	1										
28/7 Mon	2										
29/7 Tue	3										
30/7 Wed	4										
31/7 Thu	5										

17/6 M.Sc batch orientation

24/6 - orientation for B.Sc batch

26/6 11th B.Sc (Science Stream) orientation

W. A. J.

Signature of HOD



UNION CHRISTIAN COLLEGE, ALUVA

Affiliated to Mahatma Gandhi University, Kottayam, India

NAAC Re-Accredited with A Grade in 4th Cycle (CGPA 3.45)

www.uccollege.edu.in

SSR
5th CYCLE
2023

AUGUST							DAILY WORK DIARY				
Date	Day	Zero Hour	I Hour	II Hour	III Hour	IV Hour	V Hour	Topics Taken	Hours not engaged	Reason	Extra hours taken
1	2	←		DL		→				DL	
2	3		11 M.sc	← 11 M.sc lab		← 11 B.sc lab		11 Sem M.sc lab exams			
3											
5	4						11 Chem				
6	5			11 Chem							
7	1	←		C L		→				CL	
8	2	←		CL		→				CL	
9	3		11 M.sc	← 11 M.sc lab		← 11 B.sc lab					
10											
12	4							Holidays due to heavy rain			
13	5										
14	1										
15	2										
16	3	←		CL		→				CL	
17											
19	4										
20			Meet the	Candidates							
21			College Union	election							
22	5										
23											
24											
26	1	←		DL		→				DL	
27	2		11 M.sc		11 B.sc	← 11 M.sc lab					
28											
29	3		11 M.sc	← 11 M.sc lab		← 11 B.sc lab					
30	4						11 Chem				
31											

-15-

Signature of HOD

[illegible]