



UNION CHRISTIAN COLLEGE ALUVA-2



SSR 5th CYCLE 2023



Criterion 1

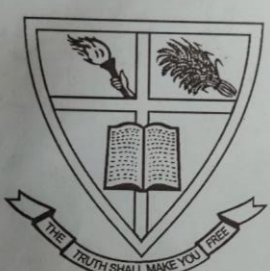
1.1.1 Curriculum Planning and Implementation



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.....



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 : renetara@gmail.com



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.S lab. (Chem.) →	
Day 4					II Chem
Day 5		II Chem.			



COURSE PLAN

Semester	Programme / Course	Semester	Programme / Course
V	B.Sc. final year (Core) (Classical & Q.M.) Physcs	(4 th)	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, Expectation values
6.	Compton	17.	Hermitian operators
7.	Bohr's Correspondence, dual nature De Broglie	18.	Orthogonality & normality
8.	Daverson - Germer exp ^t		
9.	Group & phase vel.		
10.	Time dependent Schrodinger eq ⁿ		
11.	wave fun. probability density		



COURSE PLAN			
Semester III	Programme / Course	Semester	Programme / Course
	B.Sc (1 st year Chem Comp)	(1 st & 2 nd year)	
	Mechanics Phy & Magnetism		
Lecture No.	Topics to be covered	Lecture No.	Topics to be covered
1	Str. of atoms	14	History (Radioactivity)
2	Bohr eqn.	15	Soddy Fajans displ. law
3	Bohr eqn (Cont.)	16	Radioactive disintegration energy eqn
4	Vector atom model	17	Basic Concepts (Decay cont)
5	Vector atom model (Cont)	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} materials
10	Moment	23	Radio-Carbon dating
11	B.E. of nucleus	24	Measurement of radioactivity
12	Fusion "	25	Quantum mechanics (Intro)
13	Radioactivity	26	Inadequacies Classical ^{empirical} physics



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		II M ^{sc}	← I M ^{sc} lab		← II B ^{sc} lab	→	II Sem M ^{sc} lab exams			
3											
5	4						II Chem				
6	5			II Chem							
7	1	←		C L			→				
8	2	←		C L			→			C L	
9	3	←	II M ^{sc}	← I M ^{sc} lab		← II B ^{sc} lab	→			C L	
10											
12	4										
13	5										
14	1										
15	2										
16	3	←		C L			→			C L	
17											
19	4										
20				Meet the		Candidates					
21				College Union		election					
22	5										
23											
24											
26	1	←		DL			→			DL	
27	2		II M ^{sc}		III B ^{sc}	← I M ^{sc} lab	→				
28											
29	3		II M ^{sc}	← I M ^{sc} lab		II B ^{sc} lab	→				
30	4						II Chem				
31											

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Signature of HOD

