



**RAFFLES
UNIVERSITY**

SCHOOL OF BASIC AND APPLIED SCIENCES
(Scheme of Studies & Examinations of B.Sc. w. e. f. 2017-20 onwards)

B.Sc. (PCM) III Year (V Semester)

Sr.No.	Subject	Paper Code No.	Name of Paper	Teaching scheme Hrs/Week		Examination scheme			Duration of exam Hour	Credits
				L	P	IA	End Term Exam	Total		
1	Chemistry	CH-301	Inorganic Chemistry	2	0	20	30	50	3	2
2		CH-303	Organic Chemistry	2	0	20	30	50	3	2
3		CH-305	Elective Paper	2	0	20	30	50	3	2
4		CH-307	Chemistry Lab-V	0	6	20	30	50	4	3
5	Physics	PHY-301	Solid State Physics	2	0	20	30	50	3	2
6		PHY-303	Advance Electronic	2	0	20	30	50	3	2
7		PHY-305	Elective Paper	2	0	20	30	50	3	2
8		PHY-307	Physics Lab-V	0	6	20	30	50	4	3
9	Mathematics	MA-301	Real Analysis	2	0	20	30	50	3	2
10		MA-303	Modern algebra	2	0	20	30	50	3	2
11		MA-305	Elective Paper	2	0	20	30	50	3	2
12	Open Elective Paper	-	-	2	0	20	30	50	3	2
TOTAL				20	12			600		26

NOTE: - 1. **Abbreviations:** L=Lecture, T= Tutorials, P= Practical's, IA = Internal Assessment

2. **Marks distribution of Internal Assessment (IA)** for Theory Subjects should be 50% midterm Examination + 50% Assignments/Tutorials/Special activity viz: PPT, Quiz Test

3. **Elective paper:** MA-305A:-Dynamics OR MA-305B: Discrete Mathematics

PHY-305A:- Quantum Mechanics - II OR PHY-305B: Classical Mechanics

CH-305A:- Physical Chemistry OR CH-305B: Green Chemistry

4. **Open Elective Paper:** BE-301: Basic Electrical IL-301: Introductory Law, HV-301: Human Value

B.Sc. (PCM) III Year (VI Semester)

Sr. No.	Subject	Paper Code No.	Name of Paper	Teaching scheme Hrs/Week		Examination Scheme			Duration of exam Hour	Credits
				L	P	IA	End Term Exam	Total		
1	Chemistry	CH-302	Elective Paper	2	0	20	30	50	3	2
2		CH-304	Organic Chemistry	2	0	20	30	50	3	2
3		CH-306	Physical Chemistry	2	0	20	30	50	3	2
4		CH-308	Chemistry Lab-VI	0	6	20	30	50	4	3
5	Physics	PHY-302	Atomic, Molecular physics	2	0	20	30	50	3	2
6		PHY-304	Nuclear Physics	2	0	20	30	50	3	2
7		PHY-306	Elective Paper	2	0	20	30	50	3	2
8		PHY-308	Physics Lab-VI	0	6	20	30	50	4	3
9	Mathematics	MA-302	Complex Analysis	2	0	20	30	50	3	2
10		MA-304	Linear Algebra	2	0	20	30	50	3	2
11		MA-306	Elective Paper	2	0	20	30	50	3	2
12	Open Elective Paper	-	-	2	0	20	30	50	3	2
TOTAL				20	12			600		26

NOTE:-1. Abbreviations=Lecture, P=Practical's, IA=Internal Assessment, ECA=Extra Curricular Activity;

2. Marks distribution of Internal Assessment (IA) for Theory Subjects should be 50% mid term Examination + 50% Assignments/Tutorials/Special activity viz: PPT, Quiz Test;

3. Elective paper: MA-306A:-I: Numerical Analysis,-II **OR MA-306B** Mathematical Statistics;

PHY-306A: Electromagnetic theory **OR PHY-306B:** Particle Physics; **CH- 302A:** Inorganic Chemistry **OR CH-306B:** Industrial Chemicals & Environment;

4. Open Elective Paper: ECA-302: Extra Curricular Activity, SP: 302 Seminar/Project