



**RAFFLES
UNIVERSITY**

SCHOOL OF BASIC AND APPLIED SCIENCES
(Scheme of Studies & Examinations of B.Sc. w. e. f. 2016-19 onwards)

B.Sc. (PCM) II Year (III 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-201	Inorganic Chemistry	2	0	20	30	50	3	2
2		CH-203	Elective Paper	2	0	20	30	50	3	2
3		CH-205	Physical Chemistry	2	0	20	30	50	3	2
4		CH-207	Chemistry Lab-III	0	6	20	30	50	4	3
5	Physics	PHY-201	Electrostatics	2	0	20	30	50	3	2
6		PHY-203	Magnetism	2	0	20	30	50	3	2
7		PHY-205	Elective Paper	2	0	20	30	50	3	2
8		PHY-207	Physics Lab-III	0	6	20	30	50	4	3
9	Mathematics	MA-201	Advance Calculus	2	0	20	30	50	3	2
10		MA-203	Partial Differential Equations	2	0	20	30	50	3	2
11		MA-205	Elective Paper	2	0	20	30	50	3	2
12	Open Elective Paper	-	-	2	2	20	30	50	3	2
				20	14			600		26

NOTE:-

- Abbreviations:** L=Lecture, T= Tutorials, P= Practical's, IA = Internal Assessment
- Marks distribution of Internal Assessment (IA)** for Theory Subjects should be 50% mid term Examination + 50% Assignments/Tutorials/Special activity viz: PPT, Quiz Test
- Elective paper:** MA-205A: Statics: OR MA-205B: Number Theory and Cryptography
PHY-205A:- Material Science OR PHY-205B: Optics-I
CH-203A:- Organic Chemistry OR CH-203B: Polymer Chemistry
- Open Elective Paper:** COM-201: Fundamentals of Computer OR OOP-201: Object Oriented Programming C++; OR COM-202: Computer Lab



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B.Sc. (PCM) II Year (IV 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-202	Elective Paper	2	0	20	30	50	3	2
2		CH-204	Organic Chemistry	2	0	20	30	50	3	2
3		CH-206	Physical Chemistry	2	0	20	30	50	3	2
4		CH-208	Chemistry Lab-IV	0	6	20	30	50	4	3
5	Physics	PHY-202	Statistical Mechanics	2	0	20	30	50	2	2
6		PHY-204	Quantum Mechanics-I	2	0	20	30	50	2	2
7		PHY-206	Elective Paper	2	0	20	30	50	2	2
8		PHY-208	Physics Lab-IV		6	20	30	50	4	3
9	Mathematics	MA-202	Linear programming	2	0	20	30	50	3	2
10		MA-204	Special Functions and Integral Transforms	2	0	20	30	50	3	2
11		MA-206	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% mid term Examination + 50% Assignments/Tutorials/Special activity viz: PPT, Quiz Test;

3. Elective paper: MA-206A:- Programming in C and Numerical Methods, OR MA-206B: Differential Geometry and Tensor Analysis **PHY-206A:-** Astrophysics OR **PHY-206B:** Optics-II **CH-202A:-** Inorganic Chemistry OR CH-202B: Coordination Chemistry OR CH-202C: Novel Inorganic Solids;

4. Open Elective Paper: PM-202: Principle of Management OR OB-202: Origination Behavior