

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

**B.Sc. (PCM) I Year (I 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-101	Inorganic Chemistry	2	0	20	30	50	3	2
2		CH-103	Organic Chemistry	2	0	20	30	50	3	2
3		CH-105	Physical Chemistry	2	0	20	30	50	3	2
4		CH-107	Chemistry Lab-I	0	6	20	30	50	4	3
5	Physics	PHY-101	Mechanics	2	0	20	30	50	3	2
6		PHY-103	Thermodynamics	2	0	20	30	50	3	2
7		PHY-105	Wave and Oscillations	2	0	20	30	50	3	2
8		PHY-107	Physics Lab-I	0	6	20	30	50	4	3
9	Mathematics	MA-101	Matrices and Statistics	2	0	20	30	50	3	2
10		MA-103	Calculus	2	0	20	30	50	3	2
11		MA-105	Three- Dimensional Geometry	2	0	20	30	50	3	2
12	Open Elective Paper	-	-	2	0	20	30	50	3	2
<b>TOTAL</b>				<b>20</b>	<b>12</b>			<b>600</b>		<b>26</b>

NOTE:-

- Abbreviations:** L=Lecture, T= Tutorials, P= Practical's, IA = Internal Assessment;
- Marks distribution of Internal Assessment (IA)** for Theory Subjects should be 50% midterm Examination + 50% Assignments/Tutorials/Special activity viz: PPT, Quiz Test;
- Open Elective Paper:** ECT-101: English Communication Technique, JP-101: Japanese language, HL-101: Hindi language



**RAFFLES  
UNIVERSITY**

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**B.Sc. (PCM) I Year (II 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-102	Inorganic Chemistry	2	0	20	30	50	3	2
2		CH-104	Organic Chemistry	2	0	20	30	50	3	2
3		CH-106	Physical Chemistry	2	0	20	30	50	3	2
4		CH-108	Chemistry Lab-II	0	6	20	30	50	4	3
5	Physics	PHY-102	Mathematical Physics	2	0	20	30	50	2	2
6		PHY-104	Semiconductor Devices	2	0	20	30	50	2	2
7		PHY-106	Laser and fiber optics	2	0	20	30	50	2	2
8		PHY-108	Physics Lab-II		6	20	30	50	4	3
9	Mathematics	MA-102	Sequences and Series & Trigonometry	2	0	20	30	50	3	2
10		MA-104	Ordinary Differential Equations	2	0	20	30	50	3	2
11		MA-106	Vector Calculus and Geometry	2	0	20	30	50	3	2
12	Open Elective Paper			2	0	20	30	50	3	2
<b>TOTAL</b>				<b>20</b>	<b>12</b>			<b>600</b>		<b>26</b>

**NOTE:-**

- Abbreviations:** L=Lecture, T= Tutorials, P= Practical's, IA = Internal Assessment
- Marks distribution of Internal Assessment (IA)** for Theory Subjects should be 50% midterm Examination + 50% Assignments/Tutorials/Special activity viz: PPT, Quiz Test.
- Open Elective Paper:** EVS-102: Environmental Science, OR GEO-102: Geology OR GEG-102: Geography