SCHEME FOR

B.Sc. PCM

(Three Year Course- Semester System)

OR

B.Sc. (Hons. /Hons. with Research) PCM

(Four Year Course- Semester System)

(Effective from Academic Session 2026-2027 onward)

School of Applied Sciences

Suresh Gyan Vihar University, Jaipur

Rajasthan-302017

OUTCOME BASED EDUCATION

School of Applied Science

Teaching and Examination Scheme for

B.Sc. PCM / B.Sc. (Hons./Hons. with Research) PCM

SESSION: 2026-27

Year: I **Semester: I (AUTUMN/PAVAS)**

S. No.	Course Code	Course Name	Course Type	Credits	Contact Hrs/Wk.			Exam Hrs.	Weightage (in%)	
					L	T/S	P		CIE	ESE
A	**University Core**									
1	SODECA-I	Social Outreach, Discipline & Extra Curriculum Activities	UCC	2	0	0	0	0	100	-
2	UC1002	Human Values and Professional Ethics	SEC	Non-Credit	1	0	0	3	100	-
3	UC1003	English Language	AECC	2	2	0	0	3	40	60
4	UC1005	Elementary Computer	AECC	2	2	0	0	3	40	60
5	UC1004	Yoga Education & Practices	SEC	2	0	0	2	-	100	-
B	**Program Core**									
1	CH1001	Chemistry-I (Fundamentals of Chemistry-I)	DCC	3	3	0	0	3	40	60
2	PH1001	Physics-I (Mechanics)	DCC	3	3	0	0	3	40	60
3	MA1001	Mathematics-I(Calculus)	DCC	3	3	0	0	3	40	60
4	MA1002	Mathematics-II (Three Dimensional Coordinate Geometry and Vector Calculus	DCC	3	3	0	0	3	40	60
5	CH1002	Chemistry-I Lab	DCC	2	0	0	4	3	40	60
6	PH1002	Physics-I Lab	DCC	2	0	0	4	3	40	60
C	**Program Electives (Any one)**			``						
D	**University Elective**									
		Opt from the list of University Electives								
		TOTAL		**24**						

NOTE: The University Electives are apart from minimum credits required for award of degree.

L= Lecture	**T=Tutorial**	**CIE=Continuous Internal Evaluation**
S= Seminar	**P= Practical**	**ESE= End Semester Examination**

Signature of Concerned Teacher **Signature of Convener-BOS**

Signature of Member Secretary

SURESH GYAN VIHAR UNIVERSITY
Accredited by NAAC with 'A+' Grade

School of Applied Science

Teaching and Examination Scheme for

B.Sc. PCM / B.Sc. (Hons./Hons. with Research) PCM

SESSION 2026-27

Year: I **Semester: II (SPRING/BASANT)**

S. No.	Course Code	Course Name	Course Type	Credits	Contact Hrs/Wk.			Exam Hrs.	Weightage (in%)	
					L	T/S	P		CIE	ESE
A	**University Core**									
1	SODECA-II	Social Outreach, Discipline & Extra Curriculum Activities	UCC	2	0	0	0	0	100	-
2	UC2001	Indian Knowledge System	AECC	Non-credit	2	0	0	-	100	-
3	UC2004	Environmental Studies	AECC	2	2	0	0	3	40	60
4	UC2002	English Communication	AECC	2	2	0	0	3	40	60
5	UCFV	Field Visit –I	SEC	2			2		100	-
B	**Program Core**									
1	CH2001	Chemistry-II (Fundamentals of chemistry-II)	DCC	3	3	0	0	3	40	60
2	PH2001	Physics-II(Mathematical Physics and Special theory of relativity)	DCC	3	3	0	0	3	40	60
3	PH2002	Physics-III (Optics)	DCC	3	3	0	0	3	40	60
4	MA2001	Mathematics-III (Algebra)	DCC	3	3	0	0	3	40	60
5	MA2002	Mathematics-IV (Differential Equations	DCC	3	3	0	0	3	40	60
6	CH2002	Chemistry-II Lab	DCC	2	0	0	4	3	40	60
7	PH2003	Physics-II Lab	DCC	2	0	0	4	3	40	60
C	**Program Electives (Any one)**									
D	**University Elective**									
		Opt from the list of University Electives								
		TOTAL		**27**						

NOTE: The University Electives are apart from minimum credits required for award of degree.

L= Lecture	**T=Tutorial**	**CIE=Continuous Internal Evaluation**
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Teaching and Examination Scheme for

B.Sc. PCM / B.Sc. (Hons./Hons. with Research) PCM

SESSION 2026-27

Year: II **Semester: III (AUTUMN/PAVAS)**

S. No.	Course Code	Course Name	Course Type	Credits	Contact Hrs/Wk.			Exam Hrs.	Weightage (in%)	
					L	T/S	P		CIE	ESE
A	**University Core**									
1	SODECA-III	Social Outreach, Discipline & Extra Curriculum Activities	UCC	2	0	0	0	0	100	-
2	UCEEPI	Election and Electoral Processes in India	SEC	Non-Credit	1	0	0	0	100	-
3	UCFV	Field Visit –II	SEC	2			2		100	-
B	**Program Core**									
1	MA3001	Mathematics –V (Numerical Analysis and Theory of Probability)	DCC	3	3	0	0	3	40	60
2	MA302	Mathematics –VI (Discrete Mathematics)	DCC	3	3	0	0	3	40	60
3	CH3001	Chemistry –III (Inorganic Chemistry – I)	DCC	3	3	0	0	3	40	60
4	CH3002	Chemistry –IV (Organic chemistry -I)	DCC	3	3	0	0	3	40	60
5	PH3001	Physics -IV(Thermodynamics and Statistical Physics)	DCC	3	3	0	0	3	40	60
6	PH3002	Physics-V (Electromagnetism)	DCC	3	3	0	0	3	40	60
7	CH3003	Chemistry- III Lab	DCC	2	0	0	4	3	40	60
8	PH3003	Physics Lab- III	DCC	2	0	0	4	3	40	60
C	**Program Electives (Any one)**									
D	**University Elective**									
		Opt from the list of University Electives								
		TOTAL		**26**						

NOTE: The University Electives are apart from minimum credits required for award of degree.

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School of Applied Science

Teaching and Examination Scheme for

B.Sc. PCM / B.Sc. (Hons./Hons. with Research) PCM

SESSION 2026-27

Year: II **Semester: IV (SPRING/BASANT)**

S. No.	Course Code	Course Name	Course Type	Credits	Contact Hrs/Wk.			Exam Hrs.	Weightage (in%)	
					L	T/S	P		CIE	ESE
A	**University Core**									
1	SODECA-IV	Social Outreach, Discipline & Extra Curriculum Activities	UCC	2	0	0	0	0	100	-
B	**Program Core**									
1	MA4001	Mathematics - VII (Real Analysis)	DCC	3	3	0	0	3	40	60
2	MA4002	Mathematics - VIII (Operation Research)	DCC	3	3	0	0	3	40	60
3	CH4001	Chemistry- V (Physical Chemistry-I)	DCC	3	3	0	0	3	40	60
4	PH4001	Physics –VI (Electronics and Solid-State Devices)	DCC	3	3	0	0	3	40	60
5	PH4002	Physics- VII (Solid State Physics)	DCC	3	3	0	0	3	40	60
6	PH4003	Physics Lab- IV	DCC	2	0	0	4	3	40	60
7	CH4002	Chemistry -IV Lab	DCC	2	0	0	4	3	40	60
C	**Program Electives (Any one)**									
D	**University Elective**									
		Opt from the list of University Electives								
		TOTAL		**21**						

NOTE: The University Electives are apart from minimum credits required for award of degree.

Industrial training for 30 days after 4th Semester Exams is compulsory. Evaluation of industrial training (through presentation, report submission and viva-voce) will be done in next semester.		
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S= Seminar	**P= Practical**	**ESE= End Semester Examination**

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School of Applied Science

Teaching and Examination Scheme for

B.Sc. PCM / B.Sc. (Hons./Hons. with Research) PCM

SESSION 2026-27

Year: III **Semester: V (AUTUMN/PAVAS)**

S. No.	Course Code	Course Name	Course Type	Credits	Contact Hrs/Wk.			Exam Hrs.	Weightage (in%)	
					L	T/S	P		CIE	ESE
A	**University Core**									
1	SODECA-V	Social Outreach, Discipline & Extra Curriculum Activities	UCC	2	0	0	0	0	100	-
2	UCFV	Field Visit –III	SEC	2			2		100	-
B	**Program Core**									
1	MA5001	Mathematics –IX (Linear Algebra)	DCC	3	3	0	0	3	40	60
2	MA5002	Mathematics –X (Complex Analysis)	DCC	3	3	0	0	3	40	60
3	CH5001	Chemistry VI (Inorganic Chemistry-II)	DCC	3	3	0	0	3	40	60
4	PH5001	Physics-VIII (Nuclear Physics)	DCC	3	3	0	0	3	40	60
5	CH5002	Chemistry -V Lab	DCC	2	0	0	4	3	40	60
6	PH5002	Physics-V Lab: Project	DPR	2	0	0	4	3	40	60
8	SM5001	Seminar I	GEC	1	-	-	2	-	40	60
C	**University Elective**									
		Opt from the list of University Electives								
		TOTAL		**21**						

NOTE: The University Electives are apart from minimum credits required for award of degree.

L= Lecture	**T=Tutorial**	**CIE=Continuous Internal Evaluation**
S= Seminar	**P= Practical**	**ESE= End Semester Examination**

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Teaching and Examination Scheme for

B.Sc. PCM / B.Sc. (Hons./Hons. with Research) PCM

SESSION 2026-27

Year: III **Semester: VI (SPRING/BASANT)**

S. No.	Course Code	Course Name	Course Type	Credits	Contact Hrs/Wk.			Exam Hrs.	Weightage (in%)	
					L	T/S	P		CIE	ESE
A	**University Core**									
1	SODECA-VI	Social Outreach, Discipline & Extra Curriculum Activities	UCC	2	0	0	0		100	
2	UC6001	Group Discussion, Aptitude & Reasoning-I	SEC	Non-Credit		2		3	100	-
B	**Program Core**									
1	MA6001	Mathematics –XI (Number Theory)	DCC	3	3	0	0	3	40	60
2	MA6002	Mathematics –XII (Statics and Dynamics)	DCC	3	3	0	0	3	40	60
3	CH6001	Chemistry VII (Physical, Bio- & Environmental Chemistry)	DCC	3	3	0	0	3	40	60
4	CH6002	Chemistry VIII (Organic Chemistry-II)	DCC	3	3	0	0	3	40	60
5	PH6001	Physics-IX (Classical & Quantum Mechanics)	DCC	3	3	0	0	3	40	60
6	CH6003	Chemistry -VI Lab	DCC	2	0	0	4	3	40	60
7	PH6002	Physics-VI Lab: Project	DPR	2	0	0	4	3	40	60
8	SM6001	Seminar II	GEC	1	-	-	2	-	40	60
C	**University Elective**									
		Opt from the list of University Electives								
		TOTAL		**22**						

NOTE: The University Electives are apart from minimum credits required for award of degree.

L= Lecture	**T=Tutorial**	**CIE=Continuous Internal Evaluation**
S= Seminar	**P= Practical**	**ESE= End Semester Examination**

Signature of Concerned Teacher **Signature of Convener-BOS**

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Total Credits: 107(C) +8(AECC) + 8(SEC) + 2(GEC) + 12(UC) + 4(DPR) =141

C= Core Course, AECC= Ability Enhancement Compulsory Course, SEC= Skill Enhancement Course, GEC= Generic Elective, DSE= Discipline Specific Elective

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School of Applied Science

Teaching and Examination Scheme for

B.Sc. PCM / B.Sc. (Hons.) PCM

SESSION 2026-27

Year: IV **Semester: VII (AUTUMN/PAVAS)**

S. No.	Course Code	Course Name	Course Type	Credits	Contact Hrs/Wk.			Exam Hrs.	Weightage (in%)	
					L	T/S	P		CIE	ESE
A	**University Core**									
1	SODECA-VII	Social Outreach, Discipline & Extra Curriculum Activities	UCC	2	0	0	0	3	100	-
2	UC7001	Group Discussion, Aptitude & Reasoning-II	SEC	Non-Credit		2		3	100	-
B	**Program Core**									
1	MA7001	Integral transform (Core)	DCC	3	3	0	0	3	40	60
2	PH7001	Classical Mechanics (Core)	DCC	3	3	0	0	3	40	60
3	CH7001	Advanced Organic Chemistry (Core)	DCC	3	3	0	0	3	40	60
4	RM7001	Research Methodology and Scientific Communication skills	GEC	3	-	-	3	3	40	60
5		P/C/M (Elective)	DSE	3	3	0	0	3	40	60
6	PR7001	Major Project	DPR	6	0	0	12	3	40	60
C	**Program Electives (Any one)**									
1	PH7002	Renewable Energy	DSE	3	3	-	-	3	40	60
2	PH7003	Atomic and Molecular Physics	DSE	3	3	-	-	3	40	60
3	CH7002	Analytical Techniques in Chemistry	DSE	3	3	0	0	3	40	60
4	CH7003	Coordination Chemistry	DSE	3	3	0	0	3	40	60
5	MA7002	Hydrodynamics	DSE	3	3	0	0	3	40	60
6	MA7003	Riemann Geometry and Tensor analysis	DSE	3	3	0	0	3	40	60
D	**University Elective**									
		Opt from the list of University Electives								
		TOTAL		**23**						

NOTE: The University Electives are apart from minimum credits required for award of degree.

L= Lecture	**T=Tutorial**	**CIE=Continuous Internal Evaluation**
S= Seminar	**P= Practical**	**ESE= End Semester Examination**

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School of Applied Science

Teaching and Examination Scheme for B.Sc. PCM / B.Sc. (Hons.) PCM

SESSION 2026-27

Year: IV **Semester: VIII (SPRING/BASANT)**

S. No.	Course Code	Course Name	Course Type	Credits	Contact Hrs/Wk.			Exam Hrs.	Weightage (in%)	
					L	T/S	P		CIE	ESE
A	**University Core**									
B	**Program Core**									
1	MA8001	Special function (Core)	DCC	3	3	0	0	3	40	60
2	PH8001	Quantum Mechanics (Core)	DCC	3	3	0	0	3	40	60
3	CH8001	Electro analytical Chemistry (Core)	DCC	3	3	0	0	3	40	60
4	IP8001	IPR	GEC	3	3	0	0	3	40	60
5		P/C/M (Minor)	DSE	3	3	0	0	3	40	60
6	PR8001	Major Project	DPR	6	0	0	12	3	40	60
C	**Program Electives (Any one)**									
	PH8002	Optoelectronics	DSE	3	3	-	-	3	40	60
	PH8003	Electrochemical Energy Storage Systems	DSE	3	3	-	-	3	40	60
	CH8002	Adv. Organic Chemistry – II	DSE	3	3	0	0	3	40	60
	CH8003	Enantiomeric Separation	DSE	3	3	0	0	3	40	60
	MA8002	Integral Equation	DSE	3	3	0	0	3	40	60
	MA8003	Analytic Dynamics	DSE	3	3	0	0	3	40	60
D	**University Elective**									
		Opt from the list of University Electives								
		TOTAL		**21**						

NOTE: The University Electives are apart from minimum credits required for award of degree.

L= Lecture	**T=Tutorial**	**CIE=Continuous Internal Evaluation**
S= Seminar	**P= Practical**	**ESE= End Semester Examination**

Signature of Concerned Teacher **Signature of Convener-BOS**

Signature of Member Secretary

For Award of B. Sc (Hons.) PCM - four year course

Total Credits: 125(C) + 8(AECC) + 8(SEC) + 8(GEC) + 6(DSE) + 16(DPR) + 14(UC) =185

C= Core Course, AECC= Ability Enhancement Compulsory Course, SEC= Skill Enhancement Course, GEC= Generic Elective, DSE= Discipline Specific Elective

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School of Applied Science

Teaching and Examination Scheme for

B.Sc. PCM / B.Sc. (Hons. with Research) PCM

SESSION 2026-27

Year: IV **Semester: VII (AUTUMN/PAVAS)**

S. No.	Course Code	Course Name	Course Type	Credits	Contact Hrs/Wk.			Exam Hrs.	Weightage (in%)	
					L	T/S	P		CIE	ESE
A	**University Core**									
1	SODECA-VII	Social Outreach, Discipline & Extra Curriculum Activities	UCC	2	0	0	0		100	
2	UC7001	Group Discussion, Aptitude & Reasoning-II	SEC	Non-Credit		2		3	100	-
B	**Program Core**									
1	MA7001	Integral transform (Core)	DCC	3	3	0	0	3	40	60
2	PH7001	Classical Mechanics (Core)	DCC	3	3	0	0	3	40	60
3	CH7001	Advanced Organic Chemistry (Core)	DCC	3	3	0	0	3	40	60
4	RM7001	Research Methodology and Scientific Communication skills	GEC	3	-	-	3	3	40	60
5	PR7002	Minor Project	DPR	4	0	0	8	-	40	60
6	PR7001	Major Project	DPR	6	0	0	12	-	40	60
C	**Program Electives (Any one)**									
D	**University Elective**									
		Opt from the list of University Electives								
		TOTAL		**24**						

NOTE: The University Electives are apart from minimum credits required for award of degree.

L= Lecture	**T=Tutorial**	**CIE=Continuous Internal Evaluation**
S= Seminar	**P= Practical**	**ESE= End Semester Examination**

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School of Applied Science

Teaching and Examination Scheme for

B.Sc. PCM / B.Sc. (Hons. with Research) PCM

SESSION 2026-27

Year: IV **Semester: VIII (SPRING/BASANT)**

S. No.	Course Code	Course Name	Course Type	Credits	Contact Hrs/Wk.			Exam Hrs.	Weightage (in%)	
					L	T/S	P		CIE	ESE
A	**University Core**									
B	**Program Core**									
1	MA8001	Special function (Core)	DCC	3	3	0	0	3	40	60
2	PH8001	Quantum Mechanics (Core)	DCC	3	3	0	0	3	40	60
3	CH8001	Electro analytical Chemistry (Core)	DCC	3	3	0	0	3	40	60
4	IP8001	IPR	GEC	3	3	0	0	3	40	60
4	PR8002	Minor Project	DPR	4	0	0	8		40	60
5	PR8001	Major Project	DPR	6	0	0	12		40	60
C										
D	**University Elective**									
		Opt from the list of University Electives								
		TOTAL		**22**						

NOTE: The University Electives are apart from minimum credits required for award of degree.

L= Lecture	**T=Tutorial**	**CIE=Continuous Internal Evaluation**
S= Seminar	**P= Practical**	**ESE= End Semester Examination**

Signature of Concerned Teacher **Signature of Convener-BOS**

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For Award of B. Sc (Research) PCM - four year course

Total Credits: 125(C) + 8(AECC) + 8(SEC) + 8(GEC) + 14(UC) + 24(DPR) =187

C= Core Course, AECC= Ability Enhancement Compulsory Course, SEC= Skill Enhancement Course, GEC= Generic Elective, DSE= Discipline Specific Elective

B.Sc. PCM / B.Sc. (Hons./Hons. with Research) PCM

(3 Year or 4 Year course)

Type of Course	**No. of courses in the proposed scheme**						**Minimum Requirement of no. of courses for B.Sc. Degree**	**Minimum Requirement of credits and no. of courses for B.Sc. (Hons.) Degree**
	B.Sc. PCM (3 yr course)		**B.Sc. (Hons.) PCM - 4 yr course**		**B.Sc. (research) PCM) 4 yr course**			
	No. of course	Credits	No. of course	Credits	No. of course	Credits		
DCC	39 (Th 29 + Lab 10)	107	45	125	45	125	12 courses (4 core papers in three disciplines)	14 courses
DSE	0	0	2	6	0	0	2 courses	4 courses
GEC	2	2	4	8	4	8	2 courses	4 courses
AECC	5	8	5	8	5	8	2 courses	2 courses
SEC	7	8	8	8	8	8	4 courses	2 courses
DPR	2	4	4	16	6	24	As per norms	As per norms
Univ. Core (Proficiency)	6	12	7	14	7	14	-	-
Total Credits		**141**		**185**		**187**	**120**	**160**

Programme Structure for B.Sc. PCM / B.Sc. (Hons./Hons. with Research) PCM

Semester	Discipline Core Courses (Credits) (T+P=3+2; T=3)	Generic Elective Course/Discipline specific Elective (3)	University Core courses	Ability Enhancement compulsory Courses	Skill Enhancement Courses		Total Credits
					Skill based	Value added (Credits) L+T+P	
I	**1.** CH1001-Chemistry-I (Fundamentals of Chemistry-I) (3) **2.** PH1001-Physics-I (Mechanics) (3) **3.** MA1001-MathematicsI(Calculus) (3) **4.** MA1002-Mathematics-II (Three Dimensional Coordinate Geometry and Vector Calculus (3) **5.** CH1002-Chemistry-I Lab (2) **6.** PH1002 Physics-I Lab (2)	--	SODECA-I Social Outreach, Discipline & Extra Curriculum Activities (2)	**1.** Elementary Computers (2) **2.** English Language(2)	**3.** Yoga Education & Practices (2) **4.** Human Values and Professional Ethics (Non-credit)		24
II	**1.** CH2001-Chemistry-II (Fundamentals of chemistry-II) (3) **2.** PH2001-Physics-II(Mathematical Physics and Special theory of relativity) (3) **3.** PH2002- Physics-III (Optics) (3) **4.** MA2001- Mathematics-III (Algebra) (3) **5.** MA2002- Mathematics-IV (Differential Equations (3) **6.** CH2002- Chemistry-II Lab (2) **7.** PH2003- Physics-II Lab (2)		SODECA-II Social Outreach, Discipline & Extra Curriculum Activities (2)	1. UC2001-Indian Knowledge System 2. UC2004-Environmental Studies (2) 3. UC2002-English Communication(2)	--	UCFV- Field Visit I (2)(SEC)	27
Exit option with Certificate in PCM (with completion of courses equal to a minimum of 49 credits)							
III	**1.** MA3001- Mathematics –V (Numerical Analysis and Theory of Probability) (3) **2.** MA3002- Mathematics –VI (Discrete Mathematics) (3)	-	SODECA-III Social Outreach, Discipline & Extra	-	1. UCEEPI-Election and Electoral Processes	1.UCFV- Field Visit II (2)(SEC)	26

	3. CH3001- Chemistry –III (Inorganic Chemistry – I) (3) **4.** CH3002- Chemistry –IV (Organic chemistry -I) (3) **5.** PH3001- Physics - IV(Thermodynamics and Statistical Physics) (3) **6.** PH3002- Physics-V (Electromagnetism) (3) **7.** CH3003Chemistry- III Lab (2) **8.** PH3003- Physics Lab- III (2)		Curriculum Activities (2)		in India (Non-credit)		
IV	**1.** MA4001- Mathematics -VII (Real Analysis) (3) **2.** MA4002- Mathematics -VIII (Operation Research) (3) **3.** CH4001- Chemistry- V (Physical Chemistry-I) (3) **4.** PH4001- Physics –VI (Electronics and Solid-State Devices) (3) **5.** PH4002- Physics- VII (Solid State Physics) (3) **6.** PH4003- Physics Lab- IV (2) **7.** CH4002- Chemistry -IV Lab (2)		SODECA-IV Social Outreach, Discipline & Extra Curriculum Activities (2)				21
Exit option with Diploma in PCM (with completion of courses equal to a minimum of 96 credits OR continue with degree)							
V	**1.** MA5001- Mathematics –IX (Linear Algebra) (3) **2.** MA5002- Mathematics –X (Complex Analysis) (3) **3.** CH5001- Chemistry VI (Inorganic Chemistry-II) (3) **4.** PH5001- Physics-VIII (Nuclear Physics) (3) **5.** CH5002- Chemistry -VLab (2) **6.** PH5002- Physics-V Lab: Project (2)	SM5001-Seminar (1)	SODECA-V Social Outreach, Discipline & Extra Curriculum Activities (2)	-		UCFV- Field Visit III (2)(SEC)	21

VI	**1.** MA6001- Mathematics –XI (Number Theory) (3) **2.** MA6002- Mathematics –XII (Statics and Dynamics) (3) **3.** PH6001-Physics-IX (Classical &Quantum Mechanics) (3) **4.** CH6001- Chemistry VII (Physical, Bio- & Environmental Chemistry) (3) **5.** CH6002- Chemistry VIII (Organic Chemistry-II) (3) **6.** CH6003- Chemistry -VI Lab (2) **7.** PH6002-Physics-VI Lab: Project (2)	SM6001-Seminar (1)	SODECA-VI Social Outreach, Discipline & Extra Curriculum Activities (2)	-	UC6001- Group Discussion, Aptitude & Reasoning-I	-	22
Exit option with BSc in PCM (with completion of courses equal to a minimum of 139 credits OR continue for Hons/Research)							
B.Sc (Hons.) PCM							
VII	**1.** MA7001- Integral transform (3) **2.** PH7001- Classical Mechanics (3) **3.** CH7001- Advanced Organic Chemistry (3)	RM7001-Research Methodology and Scientific Communication skills (3) **Open Elective (3 credits):** **1.** PH7002-RenewableEnergy **2.** PH7003- Atomic and Molecular Physics **3.** CH7002- Analytical Techniques in Chemistry DSE **4.** CH7003- Coordination Chemistry DSE **5.** MA7002- Hydrodynamics **6.** MA7003- Riemann Geometry and tensor analysis	SODECA-VII Social Outreach, Discipline & Extra Curriculum Activities (2)		UC7001-Group Discussion, Aptitude & Reasoning-II	Major Project (6)	23
VIII	**1.** MA8001- Special function (3) **2.** PH8001- Quantum Mechanics (3) **3.** CH8001- Electro analytical Chemistry (3)	**1.** IP8001-IPR (3) **Open Elective (3 credits):** **1.** PH8002- Optoelectronics **2.** PH8003- Electrochemical Energy				Major Project (6)	21

		Storage Systems **3.** CH8002- Adv. Organic Chemistry – II **4.** CH8003- Enantiomeric Separation **5.** MA8002-Integral Equation **6.** MA8003-Analytic dynamics					
Exit option with BSc (Hons.) PCM (with completion of courses equal to a minimum of 183 credits OR continue for Hons/Research)							
B.Sc. (Hons. with Research) Physical Science							
VII	**1.** MA7001- Integral transform (3) **2.** PH7001- Classical Mechanics (3) **3.** CH7001- Advanced Organic Chemistry (3)	RM7001-Research Methodology and Scientific Communication skills (3)	SODECA-VII Social Outreach, Discipline & Extra Curriculum Activities (2)		UC7001-Group Discussion, Aptitude & Reasoning-II	Minor Project (4) Major Project (6)	24
VIII	**1.** MA8001- Special function (3) **2.** PH8001- Quantum Mechanics (3) **3.** CH8001- Electro analytical Chemistry (3)	**2.** IP8001 -IPR (3)				Minor Project (4) Major Project (6)	22
Award of BSc (Hons. with Research) Degree in PCM (with completion of courses equal to a minimum of 185 credits)							