

**Scheme of S.Y.B. Sc. Programme (Science Faculty) Under CBCS pattern (PHYSICS)**

**Year II**

Semester	Course Opted	Course Name	Credits	
III	DSC-1-C: Core Course A-III	PHY-301 PHY-302	04	
	Core Course A-III practical	PHY-303 LAB	02	
	DSC-2-C: Core Course B-III	CHEM-301 CHEM-302	04	
	Core Course B-III practical	CHEM -303 LAB	02	
	DSC-3-C: Core Course C-III	MTH-301 MTH-302	04	
	Core Course C-III practical/ COURSE-3	MTH-303 LAB/ COURSE-3	02	
	Skill Enhancement Course I	SEC-I	02	
	Ability Enhancement course III	(ENG/MAR )communication	02 P per week (noncredit)	
	<b>Total of Semester III</b>			<b>20</b>
	IV	DSC-1-D: Core Course A-IV	PHY-401 PHY-402	04
Core Course A-IV practical		PHY-403 LAB	02	
DSC-2-D: Core Course B-IV		CHEM-401 CHEM -402	04	
Core Course B-IV practical		CHEM -403LAB	02	
DSC-3-D: Core Course C-IV		MTH-401 MTH-402	04	
Core Course C-IV practical/ COURSE-3		MTH-403LAB/ COURSE-3	02	
Skill Enhancement Course II		SEC II	02	
Ability Enhancement course III		(ENG/MAR) communication	02 P per week (noncredit)	
<b>Total of Sem. IV</b>			<b>20</b>	

This structure is decided by considering Physics -Chemistry-Mathematics as core subjects. It should be modified by different core subjects.

Details about the courses for S.Y.B.Sc. Physics under CBCS pattern

Semester	Course as per UGC	Core course		Number of credits	Hours per semester	Marks	
		Course code	Course Title			Int	Ext
III	PHYSICS-DSC 3A: Thermal Physics and Statistical Mechanics (Credits: Theory-04) Theory: 60 Lectures	PHY-301	Thermodynamics	2	30	40	60
		PHY-302	Kinetic Theory of Gases and Statistical Mechanics	2	30	40	60
	PHY-303	LAB III	2	60	40	60	
	Skill Enhancement Course I (SEC I)	PHY-304	Renewable energy and Energy Harvesting	2	30	40	60
	Ability Enhancement course III	(ENG/MAR) communication I		2 P per week (Non credit)	30	40	60
IV	PHYSICS- DSC 4A: Waves and Optics (Credits: Theory-04) Theory: 60 Lectures	PHY- 401	Waves	2	30	40	60
		PHY- 402	Optics	2	30	40	60
	PHYSICS LAB-DSC 4A LAB: Waves and Optics (Credits: Practicals-02) (60 Lectures)	PHY- 403	LAB IV	2	60	40	60
	Skill Enhancement Course II	PHY- 404	Electrical Circuits and Network Skills	2	30	40	60
	Ability Enhancement course III	(ENG/MAR) communication II		2	30	40	60

The bottom of the page features several handwritten signatures and initials in blue ink. From left to right, there is a signature that appears to be 'Surya', another signature 'Wain', a signature 'H. Bhat', a signature 'A. P.', and a large signature 'SIR'. Below these, there are more signatures: 'R. S. 22', 'Dipavani', and 'Relativ'.

Groups may be as follows:

1. Physics-Chemistry-Mathematics
2. Physics- Mathematics-Geography
3. Physics- Mathematics - Electronics
4. Physics- Mathematics - Computer
5. Physics-Computer-Electronics
6. Physics-Chemistry-Geography
7. Physics – Chemistry-Zoology
8. Physics – Chemistry-~~Zoology~~ Botany
9. Physics – Botany-Zoology

Group 1: Princy, Veera, Hatir, AD, TR  
Group 2: Rishi, Piparani, pa  
Group 3: Devi, SB