

## Scheme of Examination

### B. Sc. (Hons.) Physics Semester I to IV w.e.f. 2012-13

#### Semester-I

Paper No.	Title	Periods per week	Total Marks	Internal Assessment	Max. Marks
Phy-101	Mathematical Physics-I	3	50	10	40
Phy- 102	Mechanics-I	3	50	10	40
Phy-103	Electricity	3	50	10	40
Phy-104	Mathematics-I	3	50	10	40
Phy-105	Chemistry-I	3	50	10	40
Phy-106	Linear & Digital Integrated Circuits & Instruments-I	3	50	10	40
Q-101	English (Qualifying)-I	3	50	10	40
		Total	300		

#### Semester-II

Paper No.	Title	Periods per week	Total Marks	Internal Assessment	Max. Marks
Phy-201	Mathematical Physics-II	3	50	10	40
Phy- 202	Mechanics-II	3	50	10	40
Phy-203	Electricity	3	50	10	40
Phy-204	Mathematics-II	3	50	10	40
Phy-205	Chemistry-II	3	50	10	40
Phy-206	Linear & Digital Integrated Circuits & Instruments-II	3	50	10	40
Phy-107	Physics Lab. –I	3	75		
Phy-207	Physics Lab. –II	3	75		
Chem-108	Chemistry Lab. –I	3	75		
Chem.-208	Chemistry Lab. –II	3	75		
Q-201	English (Qualifying)-II	3	50	10	40
		Total	600		

**Semester-III**

Paper No.	Title	Periods per week	Total Marks	Internal Assessment	Max. Marks
Phy-301	Mathematical Physics III	3	50	10	40
Phy-302	Thermal Physics -I	3	50	10	40
Phy-303	Vibrations & Wave Optics-I	3	50	10	40
Phy-304	Quantum Mechanics	3	50	10	40
Phy-305	Mathematics III	3	50	10	40
Phy-306	Computer Fundamentals and Programming-I	3	50	10	40
		<b>Total Marks</b>	<b>300</b>		

**Semester – IV**

Paper No.	Title	Periods per week	Total Marks	Internal Assessment	Max. Marks
Phy-401	Mathematical Physics- IV	3	50	10	40
Phy-402	Thermal Physics- II	3	50	10	40
Phy-403	Vibrations & Wave Optics -II	3	50	10	40
Phy-404	Atomic & Nuclear Physics	3	50	10	40
Phy-405	Mathematics -IV	3	50	10	40
Phy-406	Computer Fundamentals and Programming-II	3	50	10	40
Phy-307	Physics Lab-III	3	75		
Phy-407	Physics Lab-IV	3	75		
Phy-308	Digital, Microprocessor & Computer lab-I	3	75		
Phy-408	Digital, Microprocessor & Computer lab-II	3	75		
		<b>Total Marks</b>	<b>600</b>		

**Note:**

1. Paper Nos. PHY-107 & PHY-207; CHEM-108 & CHEM-208; PHY-307 & PHY 407; PHY-308 & PHY-408 will run concurrently throughout the year. Practical examination will be held at the end of 2<sup>nd</sup> Semester (for PHY-107 & PHY-207; CHEM-108 & CHEM-208) and 4<sup>th</sup> Semester (for PHY-307 & PHY 407; PHY-308 & PHY-408). **The workload for practical is 3 periods / week/ practical paper.**
2. One Practical from each paper is to be performed for the practical examination

The Internal Assessment Comprises of

I)	Attendance -	2.50
II)	Unscheduled test-	2.50
III)	Assignments-	5.00
	<b>Total-</b>	<b>10</b>

**Scheme of Examination**  
**B. Sc. (Hons.) Physics Semester-V & VI for the sessions 2012-13**

**Semester-V**

Paper No.	Title	Periods Per week	Total Marks	Internal Assessment	Max. Marks
Phy-501	Mathematical Physics V	3	50	5	45
Phy-502	Electro-magnetic Theory-I	3	50	5	45
Phy-503	Statistical Physics-I	3	50	5	45
Phy-504	Physics of Materials -I	3	50	5	45
Phy-505	Electronics Devices: Physics and Application -I	3	50	5	45
Phy-506	Any one of the following (a) Nano Technology (b) Environmental Physics	3	50	5	45
		3	50	5	45
		Total Marks	300		

**Semester-VI**

Paper No.	Title	Periods Per week	Total Marks	Internal Assessment	Max. Marks
Phy-601	Mathematical Physics VI	3	50	5	45
Phy-602	Electro-magnetic Theory-II	3	50	5	45
Phy-603	Statistical Physics-II	3	50	5	45
Phy-604	Physics of Materials –II	3	50	5	45
Phy-605	Electronics Devices: Physics and Application –II	3	50	5	45
Phy-606	Any one of the following (a) Nano Technology (b) Environmental Physics	3	50	5	45
		3	50	5	45
Phy-507	Physics Lab. V	6	75	--	75
Phy.508	Physics Lab.VI And Project	6	75	--	75
Phy-607	Physics Lab. VII	6	75	---	75
Phy.608	Physics Lab.VIII And Project	6	75	---	75
		Total Marks	600		

**Note:**

- Paper Nos. PHY 507 & PHY 607; PHY 508 & PHY 608 will run concurrently throughout the year. Practical examination will be held at the end of 6<sup>th</sup> Semester (for PHY-507 & PHY-607) and (for PHY-508 & PHY-608). **The workload for practical is 6 periods/ week/ practical paper.**
- One Practical from each paper is to be performed in the practical examination