

Syllabi and Courses of reading for B.Sc. Part-I, Part-II and Part-III (Chemistry) w.e.f. 2016-2017, 2017-2018 and 2018-2019

**B.Sc (1st Semester)**

Paper No.	Code No.	Nomenclature	Periods (40 min. each)	Max. Marks Written + I.A.	Time
I	CH-101	Inorganic Chemistry(Theory)	30	30+8	3 hrs
II	CH-102	Physical Chemistry(Theory)	30	29+7	3 hrs.
III	CH-103	Organic Chemistry (Theory)	30	29+7	3 hrs
IV	CH-104	Practicals	90	40	3½ hrs

**B.Sc (IInd Semester)**

Paper No.	Code No.	Nomenclature	Periods (40 min. each)	Max. Marks Written + I.A.	Time
V	CH-201	Inorganic Chemistry (theory)	30	30+8	3 hrs.
VI	CH-202	Physical Chemistry (Theory)	30	29+7	3 hrs.
VII	CH-203	Organic Chemistry (theory)	30	29+7	3 hrs.
VIII	CH-204	Practicals	90	40	3½ hrs

**B.Sc (IIIrd Semester)**

Paper No.	Code No.	Nomenclature	Periods (40 min. each)	Max. Marks Written + I.A.	Time
IX	CH-301	Inorganic Chemistry (Theory)	30	29+7	3 hrs.
X	CH-302	Physical Chemistry (theory)	30	30+8	3 hrs.
XI	CH-303	Organic Chemistry (theory)	30	29+7	3 hrs.
XII	CH-304	Practicals	90	40	3½ hrs

**B.Sc (IVth Semester)**

Paper No.	Code No.	Nomenclature	Periods (40 min. each)	Max. Marks Written + I.A.	Time
XIII	CH-401	Inorganic Chemistry (theory)	30	29+7	3 hrs.
XIV	CH-402	Physical Chemistry (theory)	30	30+8	3 hrs.
XV	CH-403	Organic Chemistry (theory)	30	29+7	3 hrs.
XVI	CH-404	Practicals	90	40	3½ hrs

**B.Sc (Vth Semester)**

Paper No.	Code No.	Nomenclature	Periods (40 min each)	Max. Marks Written + I.A.	Time
XVII	CH-501	Inorganic Chemistry (theory)	30	25+7	3 hrs.
XVIII	CH-502	Physical Chemistry (theory)	30	25+7	3 hrs.
XIX	CH-503	Organic Chemistry (theory)	30	30+8	3 hrs.
XX	CH-504	Practicals	90	40	3½ hrs

**B.Sc (VIth Semester)**

Paper No.	Code No.	Nomenclature	Periods (40 min each)	Max. Marks Written + I.A.	Time
XXI	CH-601	Inorganic Chemistry (theory)	30	25+7	3 hrs.
XXII	CH-602	Physical Chemistry (theory)	30	25+7	3 hrs.
XXIII	CH-603	Organic Chemistry (theory)	30	30+8	3 hrs.
XXIV	CH-604	Practicals	70	40	3½ hrs

**NEW SCHEME****Scheme of Examination of B.Sc. 1<sup>st</sup> Semester Mathematics  
(w.e.f. 2012-2013)**

Paper Code	Title of the Paper	Allocation of Periods	Maximum Marks		
			Theory	Internal Assessment	Total
12BSM 111	Algebra	6 periods/ 4 hours per week	40	10	150
12BSM 112	Calculus	6 periods/ 4 hours per week	40	10	
12BSM 113	Solid Geometry	6 periods/ 4 hours per week	40	10	

**Note:-** The other conditions will remain the same as per relevant ordinance and rules and regulations of the University.

**SCHEME OF EXAMINATION**  
**B.Sc. (PASS COURSE) PHYSICS Semester I – II w.e.f. 2016-17**

**Semester I**

Paper No.	Paper Code	Name of the paper	Max. marks	IA	Time
Paper I	PHY-101	Mechanics	45	10	3 Hrs.
Paper II	PHY-102	Electricity and Magnetism	45	10	3 Hrs.
Paper III	PHY-103	Practical	40	-	3 Hrs.

**Semester II**

Paper No.	Paper Code	Name of the paper	Max. marks	IA	Time
Paper I	PHY-201	Properties of Matters, Kinetic Theory and Relativity	45	10	3 Hrs.
Paper II	PHY-202	Electro-magnetic Induction and Electronic Devices	45	10	3 Hrs.
Paper III	PHY-203	Practical	40	-	3 Hrs.

**B.Sc. (PASS COURSE) PHYSICS Semester III – IV w.e.f. 2017-18**

**Semester III**

Paper No.	Paper Code	Name of the paper	Max. marks	IA	Time
Paper I	PHY-301	Computer Programming Thermodynamics	45	10	3 Hrs.
Paper II	PHY-302	Optics- I	45	10	3 Hrs.
Paper III	PHY-303	Practical	40	-	3 Hrs.

**Semester IV**

Paper No.	Paper Code	Name of the paper	Max. marks	IA	Time
Paper I	PHY-401	Statistical Mechanics	45	10	3 Hrs.
Paper II	PHY-402	Optics- II	45	10	3 Hrs.
Paper III	PHY-403	Practical	40	-	3 Hrs.

**Scheme of Examination**  
**B. Sc. (Pass Course) Physics Semester-V & VI for the sessions 2018-19**

**Semester-V**

Paper No.	Title	Time	Total Marks	Internal Assessment	Max. Marks
Phy-501	Solid State Physics	3 Hrs.	55	10	45 (Theory)
Phy-502	Quantum Mechanics	3 Hrs.	55	10	45(Theory)
Phy-503	Practical	3 Hrs.	40		40

**Semester-VI**

Paper No.	Title	Time	Total Marks	Internal Assessment	Max. Marks
Phy-601	Atomic, Molecular and Laser Physics	3 Hrs.	55	10	45 (Theory)
Phy-602	Nuclear Physics	3 Hrs.	55	10	45 (Theory)
Phy-603	Practical	3 Hrs.	40		40