



C. U. SHAH UNIVERSITY, WADHWAN CITY
FACULTY OF SCIENCES

B.Sc. **(PHYSICS)**

Teaching & Evaluation
Scheme of
B.Sc. Semester – V & VI (CBCS)
WEF June-2016



C. U. SHAH UNIVERSITY, Wadhwan City

Name of Program : B. Sc.

Name of Branch : Physics

Semester : V

W.E.F. – June 2016

Teaching and Evaluation Scheme

Sr. No.	Branch Code	Subject Code	Subject Name	Teaching hours/week				Credit	Evaluation Scheme/semester							
				Th	Tu	Pr	Total		Theory				Practical		Total Marks	
									Sessional Exam		University Exam		Internal			University
									Marks	Hrs	Marks	Hrs	Pr	TW		
Physics Core Compulsory Courses																
1	03	4SC05MPC1	Mathematical Physics and Classical Mechanics	4	0	0	4	4	30	1.5	70	3	--	--	--	100
2		4SC05SSP1	Solid State Physics	4	0	0	4	4	30	1.5	70	3	--	--	--	100
3		4SC05AMS1	Atomic and Molecular Spectroscopy	4	0	0	4	4	30	1.5	70	3	--	--	--	100
4		4SC05NPE1	Nuclear Physics and Electromagnetism	4	0	0	4	4	30	1.5	70	3	--	--	--	100
6		4SC05PPR1	Physics Practical-V	0	0	6	6	3	--	--	--	--	20	10	70	100
Elective Courses (To Select one course from below two)																
7	03	4SC05NSN1	Nanoscience and Nanotechnology	4	0	0	4	4	30	1.5	70	3	--	--	--	100
8		4SC05EMS1	Embedded System: Introduction to Microcontrollers	4	0	0	4	4	30	1.5	70	3	--	--	--	100
Compulsory Fundamental Course for all students																
9	03	4SC05PET1	Professional Etiquettes-I	2	0	2	4	3	30	1.5	70	--	--	--	--	100
Total				22	0	8	30	26	180	--	420	--	20	10	70	700



C. U. SHAH UNIVERSITY, Wadhwan City

Name of Program : B. Sc.

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Semester : VI

W.E.F. – June 2016

Teaching and Evaluation Scheme

Sr. No.	Brach Code	Subject Code	Subject Name	Teaching hours/week				Credit	Evaluation Scheme/semester							
				Th	Tu	Pr	Total		Theory				Practical		Total Marks	
									Sessional Exam		University Exam		Internal			University
									Marks	Hrs	Marks	Hrs	Pr	TW		
Physics Core Compulsory Courses																
1	03	4SC06QUM1	Quantum Mechanics	4	0	0	4	4	30	1.5	70	3	--	--	--	100
2		4SC06PNP1	Particle and Nuclear Physics	4	0	0	4	4	30	1.5	70	3	--	--	--	100
3		4SC06SMP1	Statistical Mechanics and Plasma Physics	4	0	0	4	4	30	1.5	70	3	--	--	--	100
4		4SC06SNT1	Sensor Technology	4	0	0	4	4	30	1.5	70	3	--	--	--	100
6		4SC06PPR1	Physics Practical-VI	0	0	6	6	3	--	--	--	--	20	10	70	100
Elective Courses (To Select one course from below two)																
7	03	4SC06COP1	Computational Physics	4	0	0	4	4	30	1.5	70	3	--	--	--	100
8		4SC06BIS1	Basic Instrumentation Skills	4	0	0	4	4	30	1.5	70	3	--	--	--	100
Compulsory Fundamental Course for all students																
9	03	4SC06PET2	Professional Etiquettes-II	2	0	2	4	3	30	1.5	70	2	--	--	--	100
Total				22	0	8	30	26	180	--	420	--	20	10	70	700

Note:

- (1) In practical subject, each student will perform one practical in the internal and two practicals in the external examination.
- (2) In order to give exposure of industry, research institute and higher learning in the field of physics, industrial visit may be arranged. It is expected that students of B.Sc. (PHYSICS) Semester-V and VI must visit industry/research institute / institute of higher learning.
- (3) Each student will must submit their assigned project in the last semester.