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T.Y.B.Tech. In Civil Engineering

Sem. V & VI

Academic Evaluation Scheme

Year 2018-19

Sardar Patel College of Engineering

Andheri (West), Mumbai 400 058

Credit System for T.Y.B.Tech.in Civil Engineering, (Semester - V) Academic Year 2018-19

Sr. No.	Subject	Code	Course Plan for Each Week (Hrs)				Evaluation (Points)						Total
			Lectures	Laboratory	Tutorial	Credits	T1	T2	End Semester		End Semester Weightage (%)	In semester evaluation	
									Points	Duration (Hrs)			
Theory Courses													
1	Geotechnical Engineering-I	PC-BTC501	3	--	--	3	20	20	100	3	60	--	100
2	Structural Analysis-II	PC-BTC502	3	--	1	4	20	20	100	3	60	25#	125
3	Development Engineering	ES-BTC503	2	--	-	2	20	20	100	3	60	--	100
4	Hydraulic Engineering-I	PC-BTC504	3	--	--	3	20	20	100	3	60	--	100
5	Transportation Engineering-I	PC-BTC505	3	--	1	4	20	20	100	3	60	25#	125
6	Organizational Communication and Interpersonal Skills	HSM-BTC506	2	--	1	3	20	20	100	3	60	25#	125
Laboratory Courses													
7	Geotechnical Engineering-I (Lab.)	PC-BTC551	--	2	--	1	--	--	--	--	--	25#	25
8	Development Engineering (Lab.)	ES-BTC552	--	2	--	1	--	--	--	--	--	50#	50
9	Hydraulic Engineering-I (Lab.)	PC-BTC553	--	2	--	1	--	--	--	--	--	25#	25
Total			16	6	5	22	--	--	--	--	--	--	775
Choice based value added course													
	Introduction to Offshore Engineering	VA-BTC526	3	--	-	0	20	20	100	3	60	--	100
	Legal Aspects in Construction	VA-BTC527	3	--	-	0	20	20	100	3	60	--	100
	Computational Techniques	VA-BTC528	3	--	-	0	20	20	100	3	60	--	100
	Quantitative Techniques and Its applications in Civil Engineering	VA-BTC528	2	-	2	0	20	20	100	3	60	25#	125

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Credit System for T.Y.B.Tech.in Civil Engineering, (Semester - VI) Academic Year 2018-19

Sr. No.	Subject	Code	Course Plan for Each Week (Hrs)				Evaluation (Points)						Total
			Lectures	Laboratory	Tutorial	Credits	T1	T2	End Semester		End Semester Weightage (%)	In semester evaluation	
									Points	Duration (Hrs)			
Theory Courses													
1	Geotechnical Engg-II	PC-BTC601	3	--	--	3	20	20	100	3	60	--	100
2	Design of Steel Structures	PC-BTC602	3	--	1	4	20	20	100	3	60	25#	125
3	Hydraulic Engg. -II	PC-BTC603	3	--	--	3	20	20	100	3	60	--	100
4	Transportation Engineering-II	PC-BTC604	3	--	--	3	20	20	100	3	60	--	100
5	Environmental Engineering-I	PC-BTC605	3	--	--	3	20	20	100	3	60	--	100
6	Theory of Reinforced & Prestressed Concrete	PC-BTC606	3	--	1	4	20	20	100	3	60	25#	125
Laboratory Courses													
7	Geotechnical Engineering-II (Lab.)	PC-BTC651	--	2	--	1	--	--	--	--	--	25#	25
8	Hydraulic Engineering -II (Lab.)	PC-BTC652	--	2	--	1	--	--	--	--	--	25#	25
9	Transportation Engineering-II (Lab.)	PC-BTC653	--	2	--	1	--	--	--	--	--	25#	25
10	Environmental Engineering-I (Lab.)	PC-BTC654	--	2	--	1	--	--	--	--	--	25#	25
Total			18	8	4	24	--	--	--	--	--	--	750
Mandatory Course													
	Environmental Studies	MC-BT-03		2	-	AU	20	20	100	3	60%	-	100
Choice based value added Courses													
	Geographic Information System (GIS) and its Applications	VA-BTC626	3	--	-	0	20	20	100	3	60	--	100
	Analysis of Offshore Structures	VA-BTC627	3	--	-	0	20	20	100	3	60	--	100
	Finite Element Analysis	VA-BTC628	3	--	-	0	20	20	100	3	60	--	100
	Photogrammetry & GPS	VA-BTC629	3	--	-	0	20	20	100	3	60	--	100

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Assessment criteria for laboratory/Tutorial work. i.e. weightage for assessment shall be as follows:

(i) Attendance in Laboratory/Tutorial = 20%, (ii) Journal/Drawing sheet/Sketch book = 40%, (iii) MCQ/Oral/Test = 40%.

Students can take any one course from choice based value added courses.

Note: (1) Refer (i) Academic rules and regulations and (ii) Examination rules and regulations for further details.

(2) Laboratory course is considered as a separate head of passing.

(3) Student can opt for an online course available on <https://swayam.gov.in/> or <https://onlinecourses.nptel.ac.in/> and inform department by filling up registration form. After successful completion of the course and approval from the department UG committee, the course title can appear on the grade card of the student.

(4) The Mandatory courses are with Pass (P) and No Pass (NP) grades offered institute wide, available in both semesters of year and must be passed before obtaining degree.

(5) For value added and elective courses, minimum 20 students must be enrolled for the department to offer a particular course.

Students can take any one value added course.