



**SANDIP FOUNDATION'S**  
**SANDIP POLYTECHNIC, NASHIK**  
**DEPARTMENT OF ELECTRICAL ENGINEERING**

**Vision and Mission of Electrical Engineering Department**

**VISION**

To develop professionally skilled electrical engineers to fulfill the needs of industry and society at large.

**MISSION**

- M1:** To offer quality technical education through student's centric teaching learning methods to enhance technical knowledge, skills and positive attitude.
- M2:** To provide a learning center for entrepreneurship, employability and higher education.
- M3:** To develop interpersonal skills for professional growth.



Maharashtra State Board of Technical Education, Mumbai

Teaching and Examination Scheme for Post S.S.C. Diploma Courses

Course Name : Mechanical / Civil / Chemical / Computer / Electronics / Electrical / Textile Engineering Groups

Course Code : CE/CR/CS/CH/PS/CM/CO/IF/CW/DE/EJ/EN/EQ/ET/EX/IE/MU/EE/EP/EU/IS/IC/AE/FG/ME/PG/PT/DC/TX/TC

Duration of Course: 6 Semesters

With Effect From Academic Year: 2017 - 18

Semester : First

Duration : 16 Weeks

S. N.	Course Title	Abbreviation	Sub. Code	Teaching Scheme			Credit (L+T+P)	Examination Scheme													Grand Total	
				L	T	P		Theory						Practical								
								Paper Hrs.	ESE		PA		Total		ESE		PA		Total			
									Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min		
1	English	ENG	22101	3	--	2	5	3	70	28	30*	00	100	40	25@	10	25	10	50	20	150	
2	Basic Science	Physics	BSC	22102	2	--	2	4	2	70*#	28	15*	00	100	40	25@	10	25	10	50	20	200
		Chemistry			2	--	2					4	15*			00	25@	10	25	10	50	
3	Basic Mathematics	BMS	22103	4	2	--	6	3	70	28	30*	00	100	40	--	--	--	--	--	--	100	
4	Fundamentals of ICT	ICT	22001	2	--	2	4	--	--	--	--	--	--	--	25@^	10	25~	10	50	20	50	
5	Engineering Graphics (For CE, CR, CS, ME, AE, PG, PT, FG, EE, EP, EU, CH, PS, DC, TC, TX)	EGM	22002	2	--	4	6	--	--	--	--	--	--	--	50@	20	50~	20	100	40	100	
	Engineering Graphics (For DE, EI, ET, EN, EX, EQ, IC, IE, IS, MU, CO, CM, CW, IF)	EGE	22003	2	--	4	6	--	--	--	--	--	--	--	50@	20	50~	20	100	40	100	
6	Workshop Practice. (For CE, CR, CS, ME, AE, PG, PT, FG, EE, EP, EU, CH, PS,)	WPM	22004	--	--	4	4	--	--	--	--	--	--	--	50@	20	50~	20	100	40	100	
	Workshop Practice. (For CO, CM, CW, IF)	WPC	22005	--	--	4	4	--	--	--	--	--	--	--	50@	20	50~	20	100	40	100	
	Workshop Practice. (For DE, EJ, ET, EN, EX, EQ, IC, IE, IS, MU)	WPE	22006	--	--	4	4	--	--	--	--	--	--	--	50@	20	50~	20	100	40	100	
	Workshop Practice. (For TX, TC, DC)	WPT	22007	--	--	4	4	--	--	--	--	--	--	--	50@	20	50~	20	100	40	100	
<b>Total</b>				<b>15</b>	<b>2</b>	<b>16</b>	<b>33</b>	<b>--</b>	<b>210</b>	<b>--</b>	<b>90</b>	<b>--</b>	<b>300</b>	<b>--</b>	<b>200</b>	<b>--</b>	<b>200</b>	<b>--</b>	<b>400</b>	<b>--</b>	<b>700</b>	

Student Contact Hours Per Week: 33 Hrs. Medium of Instruction: English

Theory and practical periods of 60 minutes each. Total Marks : 700

Abbreviations: ESE- End Semester Exam, PA- Progressive Assessment, L - Lectures, T - Tutorial, P - Practical

@ Internal Assessment, # External Assessment, \*# On Line Examination, ^ Computer Based Assessment

\* Under the theory PA, Out of 30 marks, 10 marks are for micro-project assessment (5 marks each for Physics and Chemistry) to facilitate integration of COs and the remaining 20 marks is the average of 2 tests to be taken during the semester for the assessment of the cognitive domain LOs required for the attainment of the COs.

~ For the courses having ONLY Practical Examination, the PA has two parts, marks for : (i) Practical Part - 60% of total marks (ii) Micro-Project Part - 40% of total marks

- Candidate remaining absent in practical examination of any one part of Basic Science course i.e. Physics, Chemistry will be declare as Absent in Mark List and has to appear for examination. The marks of the part for which candidate was present will not be processed or carried forward.
- If Candidate not securing minimum marks for passing in the "PA" part of practical of any course of any semester then the candidate shall be declared as "Detained" for that semester.

