

GOVERNMENT POLYTECHNIC,PUNE

Learning and Assessment Scheme for Post S.S.C Diploma Courses

Programme Name: Diploma in Civil Engineering

With Effect From Academic Year

: 2023-24

: 16 WEEKS

: 120-NEP

Sr.No	Course Code	Course Title	Course Type	Course Prerequisite	IKS	Learning Scheme				Credits	Paper Duration (hrs.)	Theory				Based on LL & TL				Based on Self Learning		Total Marks	Class Declaration Course
						Actual Contact Hrs./Week	Self Learning (Activity/ /Micro Project)	Notional Learning Hrs /Week	CL			TL	LL	FA-TH	SA-TH	Total	FA-PR	SA-PR	SLA	Max	Min		
1	SCI1204	APPLIED PHYSICS	DSC		2	3	0	2	1	6	3	30	70*#	100	40	25	10	25@	10	25	10	175	NO
2	SCI1207	APPLIED MATHEMATICS	AEC	SCI1205	6	3	1	0	0	4	3	30	70	100	40	0	0	0	0	0	0	100	NO
3	AMP1201	ENGINEERING MECHANICS	DSC		2	3	0	2	1	6	3	30	70	100	40	25	10	25@	10	25	10	175	NO
4	CEI1201	SURVEYING-1	SEC		2	4	0	4	0	8	4	30	70	100	40	50	25@	10	0	0	175	NO	
5	CEI1202	CONSTRUCTION TECHNOLOGY	DSC		1	3	0	4	1	8	4	30	70	100	40	25	10	0	25	10	150	NO	
6	CEI1202	RURAL ENGINEERING	SEC		0	0	0	2	2	4	2	0	0	0	25	10	0	0	25	10	50	NO	
7	HUI1202	PROFESSIONAL COMMUNICATION	SEC		0	0	0	2	0	2	1	0	0	0	25	10	25@	10	0	0	50	NO	
8	P	YOUTH LEADERSHIP FOR CLIMATE ACTION	VEC		0	0	0	0	2	2	1	0	0	0	0	0	0	0	0	50	20	50	NO
					Total	13	16	1	16	7	40	20	150	350	500	175	100	150	925				

Abbreviations : CL- Classroom Learning, TL- Tutorial Learning, LL-Laboratory Learning, FA- Formative Assessment, SA- Summative Assessment, IKS - Indian Knowledge System, SLA - Self Learning Assessment, CD : Class Declaration

Legends : @ Internal Assessment, # External Assessment, *# On Line Examination, @# Internal Online Examination

Note :

1. FA-TH represents average of two class tests of 30 marks each conducted during the semester.
2. If candidate is not securing minimum passing marks in FA-PR of any course then the candidate shall be declared as "Detained" in that semester.
3. If candidate is not securing minimum passing marks in SLA of any course then the candidate shall be declared as fail and will have to repeat and resubmit SLA work.
4. Notional Learning hours for the semester are (CL+LL+TL+SL)hrs. * 15 Weeks
5. 1 credit is equivalent to 30 Notional hrs.
6. * Self Learning hours shall not be reflected in the Time Table.
7. Course Category : Discipline Specific Course Core (DSC) : 3, Discipline Specific Elective (DSE) : 0, Value Education Course (VEC) : 1, Intern/Apprent./Project/Community (NIP) : 0, Ability/Enhancement Course (AEC) : 2, Skill Enhancement Course (SEC) : 2, Generic Elective (GE) : 0

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Learning and Assessment Scheme for Post S.S.C Diploma Courses

Programme Name: Diploma in Civil Engineering

Duration : 2023-24

With Effect From Academic Year : 16 WEEKS

Duration : 120-NEP

Scheme : 120-NEP

Sr No	Course Code	Course Title	Course Type	Course Prerequisite	IKS	Learning Scheme				Credits	Paper Duration (hrs)	Theory			Assessment Scheme				Total Marks	Class Declaration Course					
						Actual Contact Hrs./Week			Self Learning (Activity/Assignment/Micro Project)			National Learning Hrs /Week	FA-TH	SA-TH	Total	Based on LL & TL		Based on Self Learning							
						CL	TL	LL								Practical	SA-PR	SLA			Max	Min	Max	Min	
1		ADVANCED SURVEYING	SEC	SURVEYI NG-I	0	3	0	4	1	8	4	3	15	35	50	20	50	20	50#	20	25	10	175	YES	
2		HIGHWAY AND BRIDGE ENGINEERING	DSC		0	4	0	2	0	6	3	3	30	70	100	40	25	10	50@	20	0	0	175	NO	
3		SOIL MECHANICS	DSC		0	2	0	2	2	6	3	2	15	35	50	20	50	20	50@	20	25	10	175	NO	
4		CIVIL ENGINEERING DRAWING	SEC		0	2	0	6	0	8	4	4	0	0	0	0	50	20	50@	20	0	0	100	NO	
5		MECHANICS OF STRUCTURE	DSC	AM1201	0	4	0	2	0	6	3	3	30	70	100	40	25	10	50@	20	0	0	175	NO	
6		CONSTRUCTION MANAGEMENT	DSC		0	1	0	2	1	4	2	0	0	0	0	0	25	10	0	0	25	10	50	NO	
7		INDIAN CONSTITUTION (PREAMBLE)	VEC		0	1	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0	50	20	50	NO
					Total	0	17	0	18	5	40	20	90	210	300	225	250	125	900						

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With Effect From Academic Year : 16 WEEKS

Scheme : 120-NEP

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						Actual Contact Hrs./Week	Self Learning (Activity/Assignment/Micro Project)	Notional Learning Hrs /Week	CL			TL	LL	FA-TH Max	SA-TH Max	Total	FA-PR Max	Min	Practical	SA-PR Max			Min	SLA Max
1		THEORY OF STRUCTURE	DSC	MECHANICS OF STRUCTURE	0	4	1	0	1	6	3	4	30	70	100	40	0	0	0	0	25	10	125	NO
2		RAILWAY & TUNNEL ENGINEERING	DSC		0	4	0	0	0	4	2	3	30	70	100	40	0	0	0	0	0	0	100	NO
3		ENVIRONMENTAL SCIENCE	VEC		2	1	0	2	1	4	2	0	0	0	0	0	25	10	0	0	25	10	50	NO
4		CONCRETE TECHNOLOGY	SEC		0	2	0	2	2	6	3	3	15	35	50	20	25	10	10	25	10	125	YES	
5		CIVIL ENGINEERING-CAD	SEC		0	0	0	4	2	6	3	0	0	0	0	0	50	20	20	25	10	125	NO	
6		ESTIMATING & COSTING	DSC		0	4	0	2	0	6	3	4	30	70	100	40	25	10	10	25	10	150	YES	
7		HYDRAULICS	DSC		0	3	1	2	2	8	4	3	30	70	100	40	25	10	10	25	10	175	NO	
Total					2	18	2	12	8	40	20	135	315	450	150	125	125	125	10	125	175	850		

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Programme Name: Diploma In Civil Engineering

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With Effect From Academic Year : 16 WEEKS
Scheme : 120-NEP

Programme Code	: CE
Duration of Programme	: 6 Semester
Semester	: Fifth

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						Actual Contact Hrs./Week			Self Learning (Activity/Assignment/Micro Project)			Notional Learning Hrs /Week	FA-TH Max	SA-TH Max	Total Max	Min	Based on LL & TL		Based on Self Learning					
						CL	TL	LL									FA-PR Max	Min	SA-PR Max			Min	Max	Min
1		IRRIGATION ENGINEERING	DSC		0	4	0	2	0	6	3	3	30	70	100	40	25	10	0	0	0	125	YES	
2		ENVIRONMENTAL ENGINEERING	DSC		0	4	0	2	0	6	3	3	30	70	100	40	50	20	25#	10	0	0	175	YES
3		MANAGEMENT	AEC		2	3	0	0	1	4	2	3	30	70*#	100	40	0	0	0	0	25	10	125	NO
4		ELECTIVE 1	DSE		2	4	0	2	0	6	3	3	30	70	100	40	25	10	25#	10	0	0	150	YES
5		INDUSTRIAL TRAINING	INP		0	0	0	0	6	6	3								75#	30	75	30	150	YES
6		SEMINAR AND PROJECT INITIATION	INP		2	0	0	2	0	2	1						25	10	25#	10	25	10	50	YES
7		EMERGING TRENDS IN CIVIL ENGINEERING	DSC		0	3	0	0	1	4	2	2	30	70*#	100	40	-	-	-	-	25	10	125	NO
					Total	6	18	0	8	14	40	20											900	

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						Actual Contact Hrs./Week	Self Learning (Activity/Assignment/Micro Project)	Notional Learning Hrs./Week	CL			TL	LL	FA-TH	SA-TH	Total	Max	Min			Max	Min
1		ENTREPRENEURSHIP DEVELOPMENT	AEC		2	2	0	0	2	2	15	35*#	50	20	0	0	0	0	25	10	75	NO
2		DESIGN OF STEEL AND RCC STRUCTURE	DSC		0	4	0	4	4	4	30	70	100	40	50	20	25#	10	10	175	YES	
3		ADVANCE CONSTRUCTION TECHNIQUES	DSC		0	4	0	2	2	4	30	70	100	40	25	10	0	0	25	10	150	YES
4		CONTRACTS AND ACCOUNTS	DSC		0	4	0	2	2	4	30	70	100	40	25	10	25@	10	10	175	NO	
5		ELECTIVE 2	DSE		0	4	0	2	2	4	30	70	100	40	25	10	25#	10	10	175	YES	
6		CAPSTONE PROJECT	INP		0	0	0	4	4	2	0	0	0	0	50	20	50#	20	0	100	YES	
					Total	2	18	0	14	8	40	20	135	315	450	175	125	100	850			

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