Chhattisgarh Swami Vivekananda Technical University, Bhilai

Part Time Diploma Programme in Mechanical Engineering

Semester–I

Scheme of Studies:

Sl.No.	Board of Studies	Course Code	Course Titles	Scheme of Studies (Hours/Week)			
				L	T	P	Credit (C) L+T+(P)/2
1	Humanities	0000171(046)	Communication Skill-I	2	1	-	3
2	Applied Science	0000172(014)	Applied Maths-I	2	1	-	3
3	Applied Science	0000173(011)	Applied Chemistry	2	1	-	3
4	Mechanical Engineering	0000174(037)	Workshop Practice (Theory)	1	-	-	1
5	Applied Science	0000191(011)	Applied Chemistry (Lab)	-	-	2	1
6	Mechanical Engineering	0000193(037)	Workshop Practice (Practical)	-	-	4	2
Total				**07**	**03**	**06**	**13**

L-Lecture, **T**-Tutorial, **P**-Practical

Lecture (L)→Cl Classroom Instruction (Includes different instructional Strategies i.e Lecture and others)
Practical (P)→LI Laboratory Instruction (Includes practical performances in Laboratory ,workshop, field or other locations using different instructional strategies).
Tutorial (T)→Includes sessional work (SW) (assignment, seminar, mini project etc), & Self Learning (SL)

Note:- Syllabus of subject in Part Time Diploma course will be same as the syllabus of subject in regular Diploma course with same subject name but different subject code.

Chhattisgarh Swami Vivekananda Technical University, Bhilai

Part Time Diploma Programme in Mechanical Engineering

Semester – I

Scheme of Examination:

Sl.No.	Board of Studies	Course Code	Course Titles	Scheme of Examination					Total Marks
				Theory			Practical		
				ESE	CT	TA	ESE	TA	
1	Humanities	0000171(046)	Communication Skill-I	70	20	30	-	-	120
2	Applied Science	0000172(014)	Applied Maths-I	70	20	30	-	-	120
3	Applied Science	0000173(011)	Applied Chemistry	70	20	30	-	-	120
4	Mechanical Engineering	0000174(037)	Workshop Practice (Theory)	-	-	30	-	-	30
5	Applied Science	0000191(011)	Applied Chemistry (Lab)	-	-	-	30	50	80
6	Mechanical Engineering	0000193(037)	Workshop Practice (Practical)	-	-	-	50	30	80
Total				**210**	**60**	**120**	**80**	**80**	**550**

ESE : End Semester Exam, **CT:** Class Test, **TA:** Teachers Assessment

Note: i) TA in Theory includes Sessional work (SW) and Attendance (ATT) with weightage of 70% and 30% of total respectively.
ii) TA in Practical includes performance of PRA, PDA and Viva-Voce with weightage of 50%, 40% and 10% of total respectively.
iii) 85% attendance is essential in theory & Practical classes to appear in examination.

Legend :- PRA :Process Assessment, PDA : Product Assessment

Chhattisgarh Swami Vivekananda Technical University, Bhilai

Part Time Diploma Programme in Mechanical Engineering

Semester – II

Scheme of Studies:

Sl.No.	Board of Studies	Course Code	Course Titles	Scheme of Studies (Hours/Week)			
				L	T	P	Credit(C) L+T+(P)/2
1	Humanities	0000271(046)	Communication Skill-II	2	1	-	3
2	Applied Science	0000272(014)	Applied Maths-II	2	1	-	3
3	Applied Science	0000273(015)	Applied Physics	2	1	-	3
4	Computer Science & Engineering	0000274(022)	Computer Fundamentals and Applications	2	-	-	2
5	Applied Science	0000290(015)	Applied Physics (Lab)	-	-	2	1
6	Computer Science & Engineering	0000291(022)	Computer Fundamentals and Applications (Lab)	-	-	4	2
Total				**08**	**03**	**06**	**14**

L-Lecture, **T**-Tutorial, **P**-Practical

Lecture (L)→CI Classroom Instruction (Includes different instructional Strategies i.e Lecture and others)
Practical (P)→LI Laboratory Instruction (Includes practical performances in Laboratory ,workshop, field or other locations using different instructional strategies).
Tutorial (T)→Includes sessional work (SW) (assignment, seminar, mini project etc), & Self Learning (SL)

Note:- Syllabus of subject in Part Time Diploma course will be same as the syllabus of subject in regular Diploma course with same subject name but different subject code.

Chhattisgarh Swami Vivekananda Technical University, Bhilai

Part Time Diploma Programme in Mechanical Engineering

Semester – II

Scheme of Examination:

Sl.No.	Board of Studies	Course Code	Course Titles	Scheme of Examination					Total Marks
				Theory			Practical		
				ESE	CT	TA	ESE	TA	
1	Humanities	0000271(046)	Communication Skill-II	70	20	30	-	-	120
2	Applied Science	0000272(014)	Applied Maths-II	70	20	30	-	-	120
3	Applied Science	0000273(015)	Applied Physics	70	20	30	-	-	120
4	Computer Science & Engineering	0000274(022)	Computer Fundamentals and Applications	70	20	30	-	-	120
5	Applied Science	0000290(015)	Applied Physics (Lab)	-	-	-	30	50	80
6	Computer Science & Engineering	0000291(022)	Computer Fundamentals and Application (Lab)	-	-	-	30	50	80
Total				**280**	**80**	**120**	**60**	**100**	**640**

ESE : End Semester Exam, **CT:** Class Test, **TA:** Teachers Assessment

Note: i) TA in Theory includes Sessional work (SW) and Attendance (ATT) with weightage of 70% and 30% of total respectively.
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iii) 85% attendance is essential in theory & Practical classes to appear in examination.

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Chhattisgarh Swami Vivekananda Technical University, Bhilai

Part Time Diploma Programme in Mechanical Engineering

Semester – III

Scheme of Studies:

Sl.No.	Board of Studies	Course Code	Course Titles	Scheme of Studies (Hours/Week)			
				L	T	P	Credit (C) L+T+(P)/2
1	Mechanical Engineering	0000371(037)	Applied Mechanics	2	1	-	3
2	Mechanical Engineering	0000372(037)	Engineering Drawing	2	1	-	3
3	Mechanical Engineering	0000374(037)	Basic Non-Conventional Energy Sources	1	1		2
4	Civil Engineering	0000373(020)	Environmental Engineering and Sustainable Development	2	1	-	3
5	Mechanical Engineering	0000390(037)	Applied Mechanics (Lab)	-	-	2	1
6	Mechanical Engineering	0000391(037)	Basic Non-Conventional Energy Sources (Lab)	-	-	2	1
7	Mechanical Engineering	0000392(037)	Engineering Drawing (Practical)	-	-	2	1
8	Humanities	0000394(046)	Seminar & Technical Presentation (Listening, Reading & Speaking) Skills	-	-	2	1
Total				**07**	**04**	**08**	**15**

L-Lecture, **T**-Tutorial, **P**-Practical

Lecture (L)→CI Classroom Instruction (Includes different instructional Strategies i.e Lecture and others)
Practical (P)→LI Laboratory Instruction (Includes practical performances in Laboratory ,workshop, field or other locations using different instructional strategies).
Tutorial (T)→Includes sessional work (SW) (assignment, seminar, mini project etc), & Self Learning (SL)

Note:- Syllabus of subject in Part Time Diploma course will be same as the syllabus of subject in regular Diploma course with same subject name but different subject code.

Chhattisgarh Swami Vivekananda Technical University, Bhilai

Part Time Diploma Programme in Mechanical Engineering

Semester – III

Scheme of Examination:

Sl.No.	Board of Studies	Course Code	Course Titles	Scheme of Examination					Total Marks
				Theory			Practical		
				ESE	CT	TA	ESE	TA	
1	Mechanical Engineering	0000371(037)	Applied Mechanics	70	20	30	-	-	120
2	Mechanical Engineering	0000372(037)	Engineering Drawing	70	20	30	-	-	120
3	Mechanical Engineering	0000374(037)	Basic Non-Conventional Energy Sources	-	-	70	-	-	70
4	Civil Engineering	0000373(020)	Environmental Engineering and Sustainable Development	70	50	30	-	-	150
5	Mechanical Engineering	0000390(037)	Applied Mechanics(Lab)	-	-	-	30	50	80
6	Mechanical Engineering	0000391(037)	Basic Non-Conventional Energy Sources (Lab)	-	-	-	30	50	80
7	Mechanical Engineering	0000392(037)	Engineering Drawing (Practical)	-	-	-	30	50	80
8	Humanities	0000394(046)	Seminar & Technical Presentation (Listening, Reading & Speaking)Skills	-	-	-	-	50	50
Total				**210**	**90**	**160**	**90**	**200**	**750**

ESE : End Semester Exam, **CT:** Class Test, **TA:** Teachers Assessment

Note: i) TA in Theory includes Sessional work (SW) and Attendance (ATT) with weightage of 70% and 30% of total respectively.
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iii) 85% attendance is essential in theory & Practical classes to appear in examination.

Legend :- PRA :Process Assessment, PDA : Product Assessment

Chhattisgarh Swami Vivekananda Technical University, Bhilai

Part Time Diploma Programme in Mechanical Engineering

Semester – IV

Scheme of Studies:

Sl.No.	Board of Studies	Course Code	Course Titles	Scheme of Studies (Hours / Week)			
				L	T	P	Credit(C) L+T+(P) / 2
1	Electrical & Electronics Engineering	0037471(025)	Basic Electrical and Electronics	2	1	-	3
2	Mechanical Engineering	0037472(037)	Strength of Material	2	1	-	3
3	Mechanical Engineering	0037473(037)	Thermal Engineering	2	1	-	3
4	Mechanical Engineering	0037474(037)	Machine Drawing & Computer Aided Drafting	2	1	-	3
5	Electrical & Electronics Engineering	0037490(025)	Basic Electrical and Electronics (Lab)	-	-	2	1
6	Mechanical Engineering	0037491(037)	Strength of Material (Lab)	-	-	2	1
7	Mechanical Engineering	0037492(037)	Thermal Engineering (Lab)	-	-	2	1
8	Mechanical Engineering	0037493(037)	Machine Drawing & Computer Aided Drafting (Lab)	-	-	4	2
9	Humanities	0037494(046)	Seminar & Technical Presentation(Personality Development & Leadership) Skills	-	-	2	1
Total				**08**	**04**	**12**	**18**

L-Lecture, **T**-Tutorial, **P**-Practical

Lecture (L)→CI Classroom Instruction (Includes different instructional Strategies i.e Lecture and others)

Practical (P)→LI Laboratory Instruction (Includes practical performances in Laboratory ,workshop, field or other locations using different instructional strategies).

Tutorial (T)→Includes sessional work (SW) (assignment, seminar, mini project etc), & Self Learning (SL)

Note:- Syllabus of subject in Part Time Diploma course will be same as the syllabus of subject in regular Diploma course with same subject name but different subject code.

Chhattisgarh Swami Vivekananda Technical University, Bhilai

Part Time Diploma Programme in Mechanical Engineering

Semester – IV

Scheme of Examination:

Sl. No.	Board of Studies	Course Code	Course Titles	Scheme of Examination					Total Marks
				Theory			Practical		
				ESE	CT	TA	ESE	TA	
1	Electrical & Electronics Engineering	0037471(025)	Basic Electrical and Electronics	70	20	30	-	-	120
2	Mechanical Engineering	0037472(037)	Strength of Material	70	20	30	-	-	120
3	Mechanical Engineering	0037473(037)	Thermal Engineering	70	20	30	-	-	120
4	Mechanical Engineering	0037474(037)	Machine Drawing & Computer Aided Drafting	70	20	30	-	-	120
5	Electrical & Electronics Engineering	0037490(025)	Basic Electrical And Electronics (Lab)	-	-	-	30	50	80
6	Mechanical Engineering	0037491(037)	Strength Of Material (Lab)	-	-	-	30	50	80
7	Mechanical Engineering	0037492(037)	Thermal Engineering (Lab)	-	-	-	30	50	80
8	Mechanical Engineering	0037493(037)	Machine Drawing & Computer Aided Drafting (Lab)	-	-	-	30	50	80
9	Humanities	0037494(046)	Seminar & Technical Presentation (Personality Development & Leadership) Skills	-	-	-	-	60	60
		Total		**280**	**80**	**120**	**120**	**260**	**860**

ESE : End Semester Exam, **CT:** Class Test, **TA:** Teachers Assessment

Note: i) TA in Theory includes Sessional work (SW) and Attendance (ATT) with weightage of 70% and 30% of total respectively.
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Chhattisgarh Swami Vivekananda Technical University, Bhilai

Part Time Diploma Programme in Mechanical Engineering

Semester – V

Scheme of Studies:

Sl.No.	Board of Studies	Course Code	Course Titles	Scheme of Studies (Hours/Week)			
				L	T	P	Credit(C) L+T+(P)/2
1	Mechanical Engineering	0037571(037)	Material Technology	2	1	-	3
2	Mechanical Engineering	0037572(037)	Manufacturing Process	2	1	-	3
3	Mechanical Engineering	0037473(037)	Industrial Measurements and Controls	2	1	-	3
4	Mechanical Engineering	0037474(037)	Theory of Machines	2	1	-	3
5	Mechanical Engineering	0037591(037)	Material Technology (Lab)	-	-	2	1
6	Mechanical Engineering	0037592(037)	Manufacturing Process (Lab)	-	-	2	1
7	Mechanical Engineering	0037493(037)	Industrial Measurements and Controls (Lab)	-	-	2	1
8	Mechanical Engineering	0037494(037)	Theory of Machines (Lab)	-	-	2	1
Total				**08**	**04**	**08**	**16**

L-Lecture, **T**-Tutorial, **P**-Practical

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Tutorial (T)→Includes sessional work (SW) (assignment, seminar, mini project etc), & Self Learning (SL)

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Chhattisgarh Swami Vivekananda Technical University, Bhilai

Part Time Diploma Programme in Mechanical Engineering

Semester – V

Scheme of Examination:

Sl. No.	Board of Studies	Course Code	Course Titles	Scheme of Examination					Total Marks
				Theory			Practical		
				ESE	CT	TA	ESE	TA	
1	Mechanical Engineering	0037571(037)	Material Technology	70	20	30	-	-	120
2	Mechanical Engineering	0037572(037)	Manufacturing Process	70	20	30	-	-	120
3	Mechanical Engineering	0037573(037)	Industrial Measurements and Controls	70	20	30	-	-	120
4	Mechanical Engineering	0037574(037)	Theory of Machines	70	20	30	-	-	120
5	Mechanical Engineering	0037591(037)	Material Technology (Lab)	-	-	-	30	50	80
6	Mechanical Engineering	0037592(037)	Manufacturing Process (Lab)	-	-	-	30	50	80
7	Mechanical Engineering	0037593(037)	Industrial Measurements and Controls (Lab)	-	-	-	30	50	80
8	Mechanical Engineering	0037594(037)	Theory of Machines (Lab)	-	-	-	30	50	80
Total				**280**	**80**	**120**	**120**	**200**	**800**

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iii) 85% attendance is essential in theory & Practical classes to appear in examination.

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Chhattisgarh Swami Vivekananda Technical University, Bhilai

Part Time Diploma Programme in Mechanical Engineering

Semester – VI

Scheme of Studies:

Sl.No.	Board of Studies	Course Code	Course Titles	Scheme of Studies (Hours/Week)			
				L	T	P	Credit(C) L+T+(P)/2
1	Mechanical Engineering	0037671(037)	Engineering Metrology	2	1	-	3
2	Mechanical Engineering	0037672(037)	Automobile Engineering	2	1	-	3
3	Mechanical Engineering	0037673(037)	Fluid Mechanics and Machinery	2	1	-	3
4	Mechanical Engineering	0037674(037)	Machine Tool Technology	2	1	-	3
5	Mechanical Engineering	0037691(037)	Engineering Metrology (Lab)	-	-	2	1
6	Mechanical Engineering	0037692(037)	Automobile Engineering (Lab)	-	-	2	1
7	Mechanical Engineering	0037693(037)	Fluid Mechanics and Machinery (Lab)	-	-	2	1
8	Mechanical Engineering	0037694(037)	Machine Tool Technology (Lab)	-	-	2	1
Total				**08**	**04**	**08**	**16**

L-Lecture, T-Tutorial, P-Practical

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Chhattisgarh Swami Vivekananda Technical University, Bhilai

Part Time Diploma Programme in Mechanical Engineering

Semester – VI

Scheme of Examination:

Sl. No.	Board of Studies	Course Code	Course Titles	Scheme of Examination					Total Marks
				Theory			Practical		
				ESE	CT	TA	ESE	TA	
1	Mechanical Engineering	0037671(037)	Engineering Metrology	70	20	30	-	-	120
2	Mechanical Engineering	0037672(037)	Automobile Engineering	70	20	30	-	-	120
3	Mechanical Engineering	0037673(037)	Fluid Mechanics and Machinery	70	20	30	-	-	120
4	Mechanical Engineering	0037674(037)	Machine Tool Technology	70	20	30	-	-	120
5	Mechanical Engineering	0037691(037)	Engineering Metrology (Lab)	-	-	-	30	50	80
6	Mechanical Engineering	0037692(037)	Automobile Engineering (Lab)	-	-	-	30	50	80
7	Mechanical Engineering	0037693(037)	Fluid Mechanics and Machinery (Lab)	-	-	-	30	50	80
8	Mechanical Engineering	0037694(037)	Machine Tool Technology (Lab)	-	-	-	30	50	80
Total				**280**	**80**	**120**	**120**	**200**	**800**

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