

CHHATTISGARH SWAMI VIVEKANAND TECHNICAL UNIVERSITY, BHILAI, CHHATTISGARH

Course Of Study And Scheme Of Examination Part Time Diploma Programme In Civil /Mechanical /Electrical
Engineering/ Instrumentation Engg.

FIRST SEMESTER

S.No	Board of Study	Subject Code	Course	Periods/Week			Scheme of Examination					Credit [L+(T+P) /2]	
				L	T	P	Theory			Practical			Total Marks
							ESE	CT	TA	ESE	TA		
1	Humanities	000111 (46) [Equivalent to 200111 (46)]	Communication Skill-I	4	1	-	100	20	20	-	-	140	5
2	Basic Science	000112 (14) [Equivalent to 200112 (14)]	Applied Maths-I	4	2	-	100	20	20	-	-	140	5
3	Basic Science	000113 (11) [Equivalent to 200114 (11)]	Applied Chemistry	4	1	-	100	20	20	-	-	140	5
4	Mechanical Engg.	000114 (37) [Equivalent to 200116 (37)]	Work Shop Practice (Theory)	1	-	-	-	-	20	-	-	20	1
5	Basic Science	000121 (14) [Equivalent to 200122 (11)]	Applied Chemistry Lab	-	-	4	-	-	-	50	20	70	2
6	Mechanical Engg.	000122 (37) 200123 (37)	Work Shop Practice (Practical)	-	-	6	-	-	-	100	20	120	3
TOTAL				13	4	10	300	60	80	150	40	630	21

PPA : Proficiency in Professional Activities. L : Lecture : T : Tutorial, P : Practical , ESE – End of Semester Exam; CT – Class Test; TA-
Teacher’s Assessment.

Note – 1) Duration of Period will be 50 minutes, with 4 periods per day, 6 days per week.

2) Syllabi of Subjects in Part time Diploma Course will be the same as the syllabi of subjects in regular Diploma Course. Subjects of the same name both in Part time Diploma Course and Regular Diploma Course may have different subject codes. The Exam for diploma regular and part time will be conducted together for the same subject names.

CHHATTISGARH SWAMI VIVEKANAND TECHNICAL UNIVERSITY, BHILAI, CHHATTISGARH

Course Of Study And Scheme Of Examination Part Time Diploma Programme In Civil /Mechanical /Electrical Engineering/
Instrumentation Engg.

SECOND SEMESTER

S.No	Board of Study	Subject Code	Course	Periods/Week			Scheme of Examination					Credit [L+(T+P) /2]	
				L	T	P	Theory			Practical			Total Marks
							ESE	CT	TA	ESE	TA		
1	Humanities	000211 (46) [Equivalent to 200211 (46)]	Communication Skill-II	4	1	-	100	20	20	-	-	140	5
2	Basic Science	000212 (14) [Equivalent to 200212 (14)]	Applied Maths-II	4	2	-	100	20	20	-	-	140	5
3	Basic Science	000213 (15) [Equivalent to 200113 (15)]	Applied Physics	4	1	-	100	20	20	-	-	140	5
4	Civil Engg.	000214 (20) [Equivalent to 200115 (20)]	Environmental Engg.	3	1	-	100	20	20	-	-	140	4
5	Basic Science	000221 (14) [Equivalent to 200122 (14)]	Applied Physics Lab	-	-	4	-	-	-	50	20	70	2
TOTAL				15	5	4	400	80	80	50	20	630	21

PPA : Proficiency in Professional Activities. L : Lecture : T : Tutorial, P : Practical , ESE – End of Semester Exam; CT – Class Test; TA- Teacher’s Assessment.

Note – 1) Duration of Period will be 50 minutes, with 4 periods per day, 6 days per week.

2) Syllabi of Subjects in Part time Diploma Course will be the same as the syllabi of subjects in regular Diploma Course. Subjects of the same name both in Part time Diploma Course and Regular Diploma Course may have different subject codes. The Exam for diploma regular and part time will be conducted together for the same subject names.

**CHHATTISGARH SWAMI VIVEKANAND TECHNICAL UNIVERSITY, BHILAI,
CHHATTISGARH**

**PART TIME DIPLOMA PROGRAMME IN INSTRUMENTATION
Semester – III
COURSE OF STUDY AND SCHEME OF EXAMINATION**

S. No.	Board of Studies	Subject Code	Subject	Periods/week			Scheme of Examination					Total Marks	Credit L+[(T+P)/2]
				L	T	P	Theory			Practical			
							ESE	CT	TA	ESE	TA		
1	Mechanical Engineering	000311 (37) [Equivalent to 200213 (37)]	Applied Mechanics	3	1	-	100	20	20	-	-	140	4
2	Computer Science & Engg	000312 (22) [Equivalent to 200214 (22)]	Computer Fundamentals and its Application	4	1	-	100	20	20	-	-	140	5
3	Mechanical Engineering	000313 (37) Equivalent to 200215 (37)	Engg. Drawing	2	3	-	100	20	20	-	-	140	4
4	Computer Science & Engg	000321 (22) Equivalent to 200221 (22)	Computer Fundamentals and its Application Lab	-	-	5	-	-	-	100	20	120	3
5	Mechanical Engineering	000322 (37) Equivalent to 200222 (37)	Applied Mechanics Lab	-	-	2	-	-	-	50	20	70	1
6	Electronic and Telecom.	000323 (28) Equivalent to 234221 (28)	Electronic Workshop	-	-	2	-	-	-	50	20	70	1
7	Humanities	000324 (46) Equivalent to 200224 (46)	PPA	-	-	1	-	-	-	-	40	40	1
Total				9	5	10	300	60	60	200	100	720	19

PPA - PROFICIENCY IN PROFESSIONAL ACTIVITY, L- LECTURE, T. TUTORIAL, P-PRACTICAL
ESE- END OF SEMESTER EXAMINATION, CT-CLASS TEST, T – TEACHER'S ASSESSMENT

Note – 1) Duration of a periods will be of 50 minutes, with 4 periods per day for 6 days in a week .

2) Syllabi of Subjects in Part time Diploma Course will be the same as the syllabi of subjects in regular Diploma Course. Subjects of the same name both in Part time Diploma Course and Regular Diploma Course may have different subject codes. The Exam for diploma regular and part time will be conducted together for the same subject names.

**CHHATTISGARH SWAMI VIVEKANAND TECHNICAL UNIVERSITY, BHILAI,
CHHATTISGARH**

SCHEME OF STUDIES & EXAMINATION

PART TIME DIPLOMA in INSTRUMENTATION ENGINEERING

SEMESTER - IV

S.No.	Board of Studies	Subject Code	Subject	Period per week			Scheme of Examination					Total Marks	Credit $L+[(T+P)/2]$
				L	T	P	Theory			Practical			
							ESE	CT	TA	ECE	TA		
1	Electronics & Telcomm Engg.	034411 (28) [Equivalent to 234311 (28)]	Basic Electronics & Devices	3	1	-	100	20	20	-	-	140	4
2	Electronics and Telecom. Engg.	034412 (28) [Equivalent to 234411 (28)]	Network Analysis	3	1	-	100	20	20	-	-	140	4
3	Computer Engg.	034413 (22) [Equivalent to 200315 (22)]	Computer Hardware Installation & Maintenance	3	1	-	100	20	20	-	-	140	4
4	Electrical Engg	034414 (24) [Equivalent to 234314 (24)]	Fundamental Of Electrical Engg.	3	1	-	100	20	20	-	-	140	4
5	Electronics & Telcomm Engg	034421 (28) [Equivalent to 234321 (28)]	Basic Electronics & Devices, Lab	-	-	2	-	-	-	50	10	60	1
6	Electronics and Telecom. Engg.	034422 (28) [Equivalent to 234421 (28)]	Network Analysis, Lab	-	-	2	-	-	-	50	10	60	1
7	Computer Engg.	034423 (22) [Equivalent to 200325 (22)]	Computer Hardware Installation & Maintenance	-	-	2	-	-	-	50	10	60	1
8	Electrical Engg	034424 (24) [Equivalent to 234324 (24)]	Fundamental Of Electrical Engg. Lab	-	-	2	-	-	-	50	10	60	1
Total				12	4	8	400	80	80	200	40	800	20

PPA - PROFICIENCY IN PROFESSIONAL ACTIVITY, L- LECTURE, T. TUTORIAL, P-PRACTICAL., ESE- END OF SEMESTER EXAMINATION, CT-CLASS TEST, T - TEACHER'S ASSESSMENT

Note – 1) Duration of a periods will be of 50 minutes, with 4 periods per day for 6 days in a week .

2) Syllabi of Subjects in Part time Diploma Course will be the same as the syllabi of subjects in regular Diploma Course. Subjects of the same name both in Part time Diploma Course and Regular Diploma Course may have different subject codes. The Exam for diploma regular and part time will be conducted together for the same subject names.

CHHATTISGARH SWAMI VIVEKANAND TECHNICAL UNIVERSITY, BHILAI

PART TIME DIPLOMA IN INSTRUMENTATION ENGINEERING

SEMESTER - V

S.No.	Board of Studies	Subject Code [Equivalent to 234412 (37)]	Subject	Period per week			Scheme of Examination					Total Marks	Credit L+(T+P)/ 2
				L	T	P	Theory			Practical			
							ESE	CT	TA	ESE	TA		
1.	Mechanical Engg.	034511 (37) [Equivalent to 234412 (37)]	Mechanical Engineering	2	1	-	100	20	10	-	-	130	3
2.	Instrumentation Engg.	034512 (34) [Equivalent to 234413 (34)]	Instrumentation	3	1	-	100	20	10	-	-	130	4
3.	Electronics & Telcomm Engg	034513 (28) [Equivalent to 200313 (28)]	Electrical & Electronic Measurements	3	1	-	100	20	20	-	-	140	4
4.	Electronics & Telcomm Engg	034514 (28) [Equivalent to 200312 (28)]	Digital Electronics	3	1	-	100	20	20	-	-	140	4
5.	Mechanical Engg.	034521 (37) [Equivalent to 234422 (37)]	Mechanical Engineering Lab	-	-	2	-	-	-	50	10	60	1
6.	Instrumentation Engg.	034522 (34) [Equivalent to 234423 (34)]	Instrumentation Lab	-	-	2	-	-	-	50	10	60	1
7.	Electronics & Telcomm Engg	034523 (28) [Equivalent to 200323 (28)]	Electrical & Electronic Measurement, Lab	-	-	2	-	-	-	50	10	60	1
8.	Electronics & Telcomm Engg	034524 (28) [Equivalent to 200322 (28)]	Digital Electronics Lab	-	-	2	-	-	-	50	10	60	1
9.	Instrumentation	034525 (34) [Equivalent to 234426 (34)]	Minor Project	-	-	1	-	-	-	20	10	30	1
Total				11	4	9	400	80	60	220	50	810	20

L-Lecture
ESE-End Semester Exam

T-Tutorial
CT-Class Test

P- Practical
TA-Teachers Assessment

- Note
- 1) Duration of a periods will be of 50 minutes, with 4 periods per day for 6 days in a week.
 - 2) Syllabi of Subjects in part time Diploma Course will be the same as the syllabi of subjects in regular Diploma Course. Subjects of the same name both in Part time Diploma course and Regular Diploma Course may have different subject codes. The Exam for diploma regular and part time will be conducted together for the same subject names.

CHHATTISGARH SWAMI VIVEKANAND TECHNICAL UNIVERSITY, BHILAI
PART TIME DIPLOMA IN INSTRUMENTATION ENGINEERING

SEMESTER - VI

S.No	Board of Studies	Subject Code	Subject	Period per week			Scheme of Examination					Total Marks	Credit L+(T+P)/ 2
				L	T	P	Theory			Practical			
							ESE	CT	TA	ESE	TA		
1	Mechanical Engg.	034611 (37) [Equivalent to 234511 (37)]	Industrial Management	3	1	-	100	20	20	-	-	140	4
2	Mechanical Engg.	034612 (37) [Equivalent to 234513 (37)]	Mechanical Measurement	3	1	-	100	20	20	-	-	140	4
3	Electronics & Telcomm Engg	034613 (28) [Equivalent to 234414 (28)]	Microprocessor And Application	3	1	-	100	20	10	-	-	130	4
4	Electronics & Telcomm Engg	034614 (28) [Equivalent to 200414 (28)]	Power Electronics	3	1	-	100	20	20	-	-	140	4
5	Mechanical Engg.	034622 (37) [Equivalent to 234522 (37)]	Mechanical Measurement	-	-	2	-	-	-	40	20	60	1
6	Electronics & Telcomm Engg	034622 (28) [Equivalent to 234524 (28)]	Computer Aided Design & Drafting Lab	-	-	2	-	-	-	40	20	60	1
7	Electronics & Telcomm Engg	034623 (28) [Equivalent to 234424 (28)]	Microprocessor And Application Lab	-	-	2	-	-	-	50	10	60	1
8	Electronics & Telcomm Engg	034624 (28) [Equivalent to 200423 (28)]	Power Electronics Lab	-	-	2	-	-	-	50	10	60	1
Total				12	4	8	400	80	70	180	60	790	20

L-Lecture

ESE-End Semester Exam

T-Tutorial

CT-Class Test

P- Practical

TA-Teachers Assessment

- Note**
- 1) Duration of a periods will be of 50 minutes, with 4 periods per day for 6 days in a week.
 - 2) Syllabi of Subjects in part time Diploma Course will be the same as the syllabi of subjects in regular Diploma Course. Subjects of the same name both in Part time Diploma course and Regular Diploma Course may have different subject codes. The Exam for diploma regular and part time will be conducted together for the same subject names.

CHHATTISGARH SWAMI VIVEKANAND TECHNICAL UNIVERSITY, BHILAI

PART TIME DIPLOMA IN INSTRUMENTATION ENGINEERING

SEMESTER - VII

S. No.	Board of Studies	Subject Code	Subject	Period per week			Scheme of Examination					Total Marks	Credit L+(T+P)/ 2
				L	T	P	Theory			Practical			
							ESE	CT	TA	ESE	TA		
1	Electronics & Telcomm Engg	034711 (28) [Equivalent to 234612 (28)]	Communication Engg	3	1	-	100	20	20	-	-	140	4
2	Electronics & Telcomm Engg	034712 (28) [Equivalent to 234512 (28)]	Advance Microprocessor And Micro controller	3	1	-	100	20	20	-	-	140	4
3	Instrumentation	034713 (34) [Equivalent to 234514 (34)]	Control System	3	1	-	100	20	20	-	-	140	4
4	Electronics & Telcomm Engg	034714 (28) [Equivalent to 234515 (28)]	Electronic System Design	3	1	-	100	20	20	-	-	140	4
5	Electronics & Telcomm Engg	034721 (28) [Equivalent to 234623 (28)]	Communication Engg Lab	-	-	2	-	-	-	50	10	60	1
6	Electronics & Telcomm Engg	034722 (28) [Equivalent to 234521 (28)]	Advance Microprocessor And Microcontroller	-	-	2	-	-	-	40	20	60	1
7	Instrumentation	034723 (34) [Equivalent to 234523 (34)]	Control System	-	-	2	-	-	-	40	20	60	1
Total				12	4	6	400	80	80	130	50	740	19

L-Lecture

T-Tutorial

P- Practical

ESE-End Semester Exam

CT-Class Test

TA-Teachers Assessment

- Note
- 1) Duration of a periods will be of 50 minutes, with 4 periods per day for 6 days in a week.
 - 2) Syllabi of Subjects in part time Diploma Course will be the same as the syllabi of subjects in regular Diploma Course. Subjects of the same name both in Part time Diploma course and Regular Diploma Course may have different subject codes. The Exam for diploma regular and part time will be conducted together for the same subject names.

CHHATTISGARH SWAMI VIVEKANAND TECHNICAL UNIVERSITY, BHILAI

PART TIME DIPLOMA IN INSTRUMENTATION ENGINEERING

SEMESTER - VIII

S.No.	Board of Studies	Subject Code	Subject	Period per week			Scheme of Examination					Total Marks	Credit L+(T+P)/ 2]
				L	T	P	Theory			Practical			
							ESE	CT	TA	ESE	TA		
1	Instrumentation	034811 (34) [Equivalent to 234611 (34)]	Process Control	3	1	-	100	20	20	-	-	140	4
2	Instrumentation	034812 (34) [Equivalent to 234613 (34)]	Advance Instrumentation	3	1	-	100	20	20	-	-	140	4
3	Instrumentation	034813 (34) [Equivalent to 234614 (34)]	Biomedical Instrumentation	3	1	-	100	20	20	-	-	140	4
4	Mechanical Engg.	000811 (37) [Equivalent to 200615 (37)]	Entrepreneurship Development	3	1	-	100	20	10	-	-	130	4
5	Instrumentation	034821 (34) [Equivalent to 234621 (34)]	Major Project	-	-	2	-	-	-	50	20	70	1
6	Instrumentation	034822 (34) [Equivalent to 234622 (34)]	Process Control Lab	-	-	2	-	-	-	50	10	60	1
7	Instrumentation	034824 (34) [Equivalent to 234624 (34)]	Advance Instrumentation Lab	-	-	2	-	-	-	50	10	60	1
8	Instrumentation	034825 (34) [Equivalent to 234625 (34)]	Biomedical Instrumentation Lab	-	-	2	-	-	-	50	10	60	1
Total				12	4	8	400	80	70	200	50	800	20

L-Lecture

ESE-End Semester Exam

T-Tutorial

CT-Class Test

P- Practical

TA-Teachers Assessment

- Note
- 1) Duration of a periods will be of 50 minutes, with 4 periods per day for 6 days in a week.
 - 2) Syllabi of Subjects in part time Diploma Course will be the same as the syllabi of subjects in regular Diploma Course. Subjects of the same name both in Part time Diploma course and Regular Diploma Course may have different subject codes. The Exam for diploma regular and part time will be conducted together for the same subject names.