

CIVIL & ENV

CE ①

**COMMON TO DIPLOMA IN CIVIL ENGG, DIPLOMA IN CIVIL D'SHIP,
DIPLOMA IN WATER TECHNOLOGY AND HEALTH SCIENCES, DIPLOMA IN
ENVIRONMENTAL ENGG, DIPLOMA IN CONSTRUCTION TECHNOLOGY.**

**FIRST SEMESTER DIPLOMA IN CIVIL ENGINEERING
Scheme of Study and Examination.
(With effect from 2009-10)**

Q P CODE	Theory Subject	Contact Hours			Exam. Duration	Scheme of Examination			Total Mark s	Min marks for passing	Spoken Tutorial Software E- Resource
		Th eor y	Prac t.	Tota l		End Exam.		I.A Mark s *			
						Max mar ks	Min mark s				
9CP01E	English Communication	4	---	4	3	100	35	25	125	45	
9SC01M	Applied Mathematics-I.	4	---	4	3	100	35	25	125	45	
9SC03S	Applied Science	5	---	5	3	100	35	25	125	45	
9CE01M	Materials of construction-I	4	---	4	3	100	35	25	125	45	
	Drawing/Practicals										
9SC10P	Applied Science Lab	---	6	6	3	100	50	25	125	60	
9CE16P	Basic Computer Skill	---	6	6	3	100	50	25	125	60	Libre Office Writer, Calc, Impress
	Engg. Drawing (Manual)		03	03	-	-	-	-	-	-	
	Total	17	15	32		600	240	150	750	300	

- 48 hours of contact hours of Engg. Drawing mentioned in II semester scheme to be covered in I semester

**SECOND SEMESTER DIPLOMA IN CIVIL ENGINEERING
Scheme of Study and Examination.
(With effect from 2009-10)**

Q P CODE	Theory Subject	Contact Hours			Exam. Duration	Scheme of Examination			Total Mark s	Min marks for passing	Spoken Tutorial Software E-Resource
		Theory	Pra ct.	Total		End Exam.		I.A Mark s *			
						Ma x Ma rks	Min mark s				
9SC02 M	Applied Mathematics-II	5	---	5	3	100	35	25	125	45	
9CE02 M	Materials of construction-II	4	---	4	3	100	35	25	125	45	
9CE04S	Surveying-I	4	---	4	3	100	35	25	125	45	
	Drawing/Practicals										
9CE03D	Engineering Drawing (Manual)	---	6	6	4	100	35	25	125	45	
9CE10P	Surveying practice-I	---	6	6	3	100	50	25	125	60	
9CE11P	Cad lab-1.	---	6	6	3	100	50	25	125	60	Q-CAD
	Total	13	18	31		600	240	150	750	300	

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GOVERNMENT OF KARNATAKA
DEPARTMENT OF TECHNICAL EDUCATION
DIPLOMA COURSE IN CIVIL ENGINEERING (General)

THIRD SEMESTER

Scheme of Study and Examination (W.E.F. 2010 - 11)


QP CODE	Theory Subject	Contact Hours			Exam. Durati on	Scheme of Examination			Tota l Max. Mar ks	Min Mark s for passi ng (with IA)	Spoken Tutorial Software E-Resource
		Theo ry	Practic al	Tot al		End. Exam		I. A. Mar ks			
						Max. Mar ks	Min. passi ng Mark s				
9CE3 1	Strength of Materials	4	-	4	3	100	35	25	125	45	
9CE3 2	Environmental Engineering-I	4	-	4	3	100	35	25	125	45	
9CE3 3	Construction Technology	4	-	4	3	100	35	25	125	45	Virtual classes
9CE3 4	Surveying- II	4	-	4	3	100	35	25	125	45	
	Drawing / Practical										
9CE3 5D	Building Planning & Drawing	-	6	6	4	100	35	25	125	45	Virtual classes
9CE3 6P	Civil Engineering Materials Testing Lab	-	6	6	3	100	50	25	125	60	Virtual classes
9CE3 7P	Surveying Practice- II		6	6	3	100	50	25	125	60	Virtual classes
	Total	16	18	34		700	275	175	875	345	

(Signature)
Head of the Department
Civil Engg.
S.J (Govt.) Polytechnic
Bangalore-560 001

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GOVERNMENT OF KARNATAKA
DEPARTMENT OF TECHNICAL EDUCATION
DIPLOMA COURSE IN CIVIL ENGINEERING (General)
FOURTH SEMESTER
 Scheme of Study and Examination (W.E.F. 2010 - 11)

QP COD E	Theory Subject	Contact Hours			Exam. Durati on	Scheme of Examination			Tota l Max. Mar ks	Min Mark s for passi ng (with IA)	Spoken Tutorial Software E-Resource
		Theory	Practic al	Tot al		End. Exam		*I. A. Mar ks			
						Max. Mar ks	Min. Mark s for passi ng				
9CE4 1	Hydraulics	4	-	4	3	100	35	25	125	45	
9CE4 2	Environmental Engineering-II	4	-	4	3	100	35	25	125	45	
9CE4 3	Water Resources Engineering	4	-	4	3	100	35	25	125	45	Rainfall analysis software
9CE4 4	Surveying-III	4	-	4	3	100	35	25	125	45	Virtual classes
	Drawing /Practical										
9CE4 5P	Hydraulics & Environmental Lab	-	6	6	3	100	50	25	125	60	Virtual classes
9CE4 6P	Building Drawing using CAD	-	6	6	3	100	50	25	125	60	Software similar to 3dx max. Q-CAD
9CE4 7P	Surveying Practice- III	-	6	6	3	100	50	25	125	60	Area, Volume calculation software
	Total	16	18	34		700	290	175	875	360	


 Head of the Department for
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DEPARTMENT OF TECHNICAL EDUCATION
DIPLOMA COURSE IN CIVIL ENGINEERING
FIFTH SEMESTER
 Scheme of study and Examination (W.E.F 2011-12)

Sl No.	Theory Subject	QP Code	Contact Hours			Exam. Duration	Scheme of Examination			Total Max. Marks	Min Marks for passing (with IA)	Spoken Tutorial Software E-Resource
			Theory	Pract	Total		End. Exam		I. A. Marks			
							Max. Marks	Min. Marks for passing				
1	Concrete Technology & R.C.C.	9CE51	4	-	4	3	100	35	25	125	45	Software required.
2	Highway, Bridge & Airport Engineering	9CE52	4	-	4	3	100	35	25	125	45	
3	Estimating & Costing-I	9CE53	4	-	4	3	100	35	25	125	45	Software required.
4	Elective(Opt any one)											
i	Town Planning.	9CE54E A										
ii	Advanced Construction Technology.	9CE54E B										
iii	Repairs & Maintenance of civil works.	9CE54E C										
iv	Geo-Technical Engineering.	9CE54E D										
v	Solid Waste Management.	9CE54E E	4	-	4	3	100	35	25	125	45	
	Drawing /Practical											
5	Irrigation & Bridge Drawing	9CE55D	-	6	6	4	100	35	25	125	45	Virtual models.
6	Computer Applications Lab	9CE56P	-	6	6	3	100	50	25	125	60	
7	CASP	9CE57P	-	6	6	3	50	25	75	125	60	
8	Project Work*	9CE58P	-	3	3	-	-	-	25	-	-	LaTeX
	Total		16	18	37		650		250	875	345	

*Project Work Examination will be at the end of 6th Semester

[Signature]
 Head of the Department
 Civil Engg.
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GOVERNMENT OF KARNATAKA

DEPARTMENT OF TECHNICAL EDUCATION
DIPLOMA COURSE IN CIVIL ENGINEERING (General)
SIXTH SEMESTER

Scheme of study and Examination (W.E.F 2011-12)

Sl No.	Theory Subject	QP Code	Contact Hours			Exam. Duration	Scheme of Examination			Total Max. Marks	Min Marks for passing (with IA)	Spoken Tutorial Software E-Resource
			Theory	Pract	Total		End. Exam		I. A. Marks			
							Max. Marks	Min. Marks for passing				
1	Railway, Tunnel & Harbour Engineering	9CE61	4	-	4	3	100	35	25	125	45	
2	Estimating and Costing -II	9CE62	4	-	4	3	100	35	25	125	45	Software.
3	Design of Steel & Masonry Structures	9CE63	4	-	4	3	100	35	25	125	45	Software.
4	Construction Management & Constitution of India	9CE64	4	-	4	3	100	35	25	125	45	Project management Software
	Drawing /Practical											
5	Construction Practice	9CE65 P	-	6	6	3	100	50	25	125	60	Virtual classes.
6	Extensive Survey Project *	9CE66 P	-	6	6	3	100	50	25	125	60	Virtual classes.
7	Project work(Continuation from 5 th Semester)	9CE67 P	-	3	3	3	100	50	25	125	60	
	Total		16	18	31		700		175	875	360	

* 12 Days Survey Camp outside the Campus.

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Head of the Department
Civil Engg.

S.J. (Govt.) Polytechnic,
Bangalore-560 007

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CS

Govt. of Karnataka

Department of Technical Education

Diploma Course in Computer Science & Engineering/Information Science & Engineering

First Semester (Scheme of Study & Examination) w.e.f. 2009-10

Q P CODE	Theory Subjects	Contact Hours			Exa m Dura tion	Scheme of Examination			Total Marks	Min Marks For Passi ng	Spoken Tutorial Software E- Resource
		Theo ry	Practi cal	Total		End Exam		I A Marks			
						Max mar ks	Min Mar ks				
9SC01 M	Applied Mathematics -I	4		4	3	100	35	25	125	45	
9SC03S	Applied Science	5		5	3	100	35	25	125	45	
9CS13	Concepts of Electrical & Electronic Engineering	4		4	3	100	35	25	125	45	
9CS14	Introduction to Computer Concepts	4		4	3	100	35	25	125	45	
	Practicals										
9SC10P	Applied Science Lab		6	6	3	100	50	25	125	60	
9CS16P	Basic Electronics lab		6	6	3	100	50	25	125	60	BAP
9CS17P	Basic Computer Skills lab		6	6	3	100	50	25	125	60	Libre Office Writer, Calc, Impress
	Total	17	18	35		700	290	175	875	360	

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Hanitha
**HEAD OF COMPUTER SCIENCE AND
ENGINEERING SECTION
J. (GOVT.) POLYTECHNIC
BANGALORE - 560 001**



Govt. of Karnataka

Department of Technical Education

Diploma Course in Computer Science & Engineering/Information Science & Engineering

Second Semester (Scheme of Study & Examination) w.e.f. 2009-10

Q P CODE	Theory Subjects	Contact Hours			Exa m Dura tion	Scheme of Examination			Total Marks	Min Marks For Passi ng	Spoken Tutorial Software E- Resource
		Theor y	Practi cal	Total		End Exam		I A Marks			
						Max mar ks	Min Mar ks				
9SC02 M	Applied Mathematics- II	4		4	3	100	35	25	125	45	
9CP01 E	English Communicati on	4		4	3	100	35	25	125	45	
9EC02 E	Digital Electronics	4		4	3	100	35	25	125	45	
9CS01 C	Programming with C	4		4	3	100	35	25	125	45	
	Practicals										
9EC26 P	Digital Lab		6	6	3	100	50	25	125	60	
9CS26 P	Programming with C Lab		6	6	3	100	50	25	125	60	C
9CS27 P	Multimedia Lab		6	6	3	100	50	25	125	60	GIMP/ Blender
	Total	16	18	34		700	290	175	875	360	

**Common to E&C, EI&C,CS, IS

Hawthorne
HEAD OF COMPUTER SCIENCE AND
ENGINEERING SECTION
J. (GOVT.) POLYTECHNIC
BANGALORE - 560 001.

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Govt. of Karnataka, Department of Technical Education

Diploma in Computer Science & Engineering

Third Semester

**Scheme of Study and Examination
(With effect from 2010-2011)**

Sl. No	Subjects	Q P CODE	Contact Hours			Exam. Duration	Scheme of Examination				Spoken Tutorial Software E-Resource	
			Theory	Pract.	Total		End Exam.		I. A. Marks	Total Max. Marks		Min Marks for passing (with IA)
						Max. Marks	Min. passing Marks					
	Theory											
1	Computer Organisation	9CS31	4		4	3	100	35	25	125	45	
2	Data Structures Using C	9CS32	4		4	3	100	35	25	125	45	
3	Computer Networks	9CS33	4		4	3	100	35	25	125	45	
	Practical											
4	Data Structures lab	9CS34P		6	6	3	100	50	25	125	60	
5	PC Hardware and Networking lab	9CS35P		6	6	3	100	50	25	125	60	
6	Graphical User Interface lab	9CS36P		6	6	3	100	50	25	125	60	
7	Web Design lab	9CS37P		6	6	3	100	50	25	125	60	MySQL
			12	24	36		700	340	175	875	375	

Govt. of Karnataka, Department of Technical Education

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**HEAD OF COMPUTER SCIENCE AND
 ENGINEERING SECTION
 J. (GOVT.) POLYTECHNIC
 BANGALORE - 560 021**

Diploma in Computer Science & Engineering

Fourth Semester

Scheme of Study and Examination

(With effect from 2010-2011)

Sl. No	Subjects	Q P CODE	Contact Hours			Exam. Duration	Scheme of Examination			Spoken Tutorial Software E-Resource		
			Theory	Pract.	Total		End Exam.		Total Max. Marks		Min Marks for passing (with IA)	
						Max. Marks	Min. passing Marks	I. A. Marks				
	Theory											
1	OOP with C++	9CS41	4		4	3	100	35	25	125	45	
2	Database Management Systems	9CS42	4		4	3	100	35	25	125	45	
3	Operating System	9CS43	4		4	3	100	35	25	125	45	
4	Software Engineering	9CS44	4		4	3	100	35	25	125	45	
	Practical											
5	OOP with C++ lab (CPP)	9CS45P		6	6	3	100	50	25	125	60	C++
6	DBMS lab	9CS46P		6	6	3	100	50	25	125	60	PHP
7	Linux lab	9CS47P		6	6	3	100	50	25	125	60	Linux
			16	18	34		700	290	175	875	360	

Key

Janthana M
 HEAD OF COMPUTER SCIENCE AND
 ENGINEERING SECTION
 J. (GOVT.) POLYTECHNIC
 BANGALORE - 560 001

DEPARTMENT OF TECHNICAL EDUCATION
DIPLOMA IN COMPUTER SCIENCE & ENGINEERING
SIXTH SEMESTER, SCHEME OF STUDY AND EXAMINATION
W.E.F : 2011-12

SL No	SUBJECT	Q. P CODE	CONTACT HOURS			EXAM DURA TION	SCHEME OF EXAMINATION			TOTAL MAX MARK S	MIN. PASS MARKS (WITH I A MARKS)	Spoken Tutorial Software E- Resource	
			THEOR Y	PRAC T	TOTA L		END EXAM						
							MAX. MARKS	MIN. PASS MARK S	I.A. MARKS				
1	Software Testing	9CS61	4		4	3	100	35	25	125	45		
2	Network Security and Management	9CS62	4		4	3	100	35	25	125	45		
3	Elective (Opt Any One)		4		4	3	100	35	25	125	45		
	1) Information Storage and Management	9CS63EA											
	2) Mobile Computing	9CS63EB											
	3) Embedded and Real-Time Systems	9CS63EC											
PRACTICALS													
4	Software Testing Lab	9CS64P		6	6	3	100	50	25	125	60		
5	Network Security Lab	9CS65P		6	6	3	100	50	25	125	60		
6	Project Work-II	9CS66P		6	6	3	100	50	25	125	60		
	TOTAL		12	18	30		600	255	150	750	315		

Hanumanthappa
 HEAD OF COMPUTER SCIENCE AND
 ENGINEERING SECTION
 (GOVT.) POLYTECHNIC
 BANGALORE - 560 002

DIPLOMA IN COMPUTER SCIENCE & ENGINEERING

FIFTH SEMESTER

SCHEME OF STUDY AND EXAMINATION

W.E.F : 2011-12

(11)

No	SUBJECT	Q. P CODE	CONTACT HOURS			EXAM DURATION	SCHEME OF EXAMINATION			TOTAL MAX MARKS	MIN. PASS MARKS (WITH I A MARKS)	Spoken Tutorial Software E-Resource
			THEORY	PRAC T	TOTA L		END EXAM					
							MAX.MARK S	MIN. PASS MARK S	I.A. MARK S			
1	Basic Management Skills and Indian Constitution.	9CS51	4		4	3	100	35	25	125	45	
2	Programming with Java	9CS52	4		4	3	100	35	25	125	45	
3	Web Programming	9CS53	4		4	3	100	35	25	125	45	
PRACTICALS												
4	Programing with Java Lab	9CS54P		6	6	3	100	50	25	125	60	Java Business Application
5	Web Programming Lab	9CS55P		6	6	3	100	50	25	125	60	PHP, My SQL
6	CASP	9CS56P		6	6	3	50	25	75	125	60	
7	Project Work – I*	9CS57P		3	3		---	---	25	25	---	LaTeX
	TOTAL		12	21	33		550	230	225	775	315	

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- PROJECT WORK-I TO BE CONTINUED IN THE VI TH SEMESTER.
- PROJECT WORK EXAM WILL BE AT THE END OF VI TH SEMESTER

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Hanthu S M
 HEAD OF COMPUTER SCIENCE AND
 ENGINEERING SECTION
 GOVT. POLYTECHNIC
 BANGALORE - 560007

E

**DEPARTMENT OF TECHNICAL EDUCATION
DIPLOMA COURSE IN ELECTRONICS & COMMUNICATION ENGINEERING
FIRST SEMESTER
Scheme of Study and Examination**

Subject	Contact Hours			Exam Duration	Scheme of Examination			Total Max Marks	Min. Marks for passing	Spoken Tutorial Software E- Resource
	Theory	Pract	Total		End Exam					
					Max.Marks	Min. Marks	* I.A. Marks			
English Communication	4		4	3	100	35	25	125	45	
Digital Electronics	4		4	3	100	35	25	125	45	
Applied Mathematics-I	4		4	3	100	35	25	125	45	
Basic Electrical Engineering & Electronic Components	4		4	3	100	35	25	125	45	
PRACTICALS										Libre Office Writer, Calc, Impress
5P Basic Computer Skills			6	6	3	100	50	25	125	60
10P Basic Electrical Engineering & Electronic Components lab			6	6	3	100	50	25	125	60
C17P Digital Electronics Lab			6	6	3	100	50	25	125	60
Total	16		18	34		700	255	175	875	360

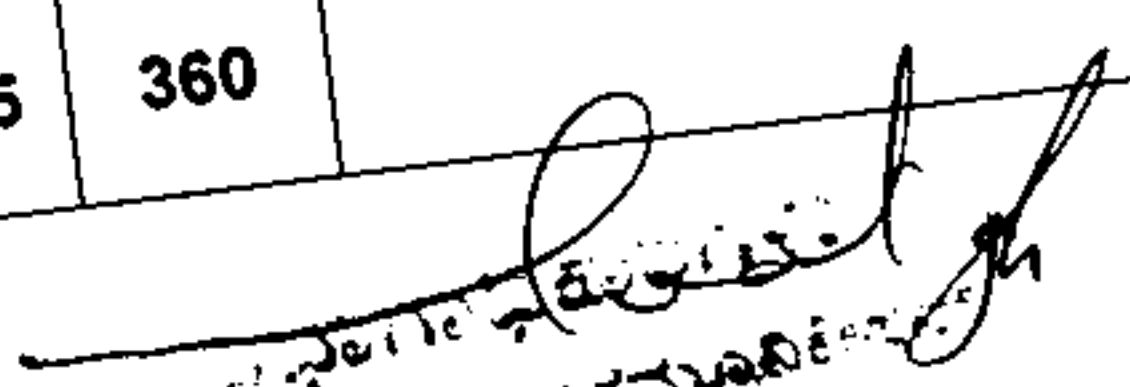
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ವಿಭಾಗಾಧಿಕಾರಿಗಳು
ಎಲೆಕ್ಟ್ರಾನಿಕ್ಸ್ ಮತ್ತು ಸಂಪರ್ಕ ಇಂಜಿನಿಯರಿಂಗ್
ಎಸ್.ಡಿ. (ಎಸ್.ಡಿ) ಕಾಲೇಜ್
ಬೆಂಗಳೂರು -560 001.

DEPARTMENT OF TECHNICAL EDUCATION
DIPLOMA COURSE IN ELECTRONICS & COMMUNICATION ENGINEERING
SECOND SEMESTER
Scheme of Study and Examination


Sl. No.	Subject	Contact Hours			Exam Duration	Scheme of Examination			Total Max Marks	Min. Marks for passing	Spoken Tutorial Software E- Resource
		Theory	Pract	Total		End Exam		I.A. Marks			
						Max.Marks	Min. Marks				
02	Applied Mathematics-II	4		4	3	100	35	25	125	45	
02	Semiconductor Devices	4		4	3	100	35	25	125	45	
03	Applied Science	5		5	3	100	35	25	125	45	
01	Programming with C	4		4	3	100	35	25	125	45	
PRACTICALS											
EC25	Semiconductor Devices Lab		6	6	3	100	50	25	125	60	
SC10	Applied Science Lab		6	6	3	100	50	25	125	60	C
DEC27 P	Programming with C lab		6	6	3	100	50	25	125	60	
	Total	17	18	35		700	290	175	875	360	

RGN


 -ತಕ್ಕನಿಟ್ಟು ಅಂತರ ಕಮ್ಯೂನಿಕೇಷನ್
 ಎಂ.ಟಿ. (ಎಂ.ಒ.ಒ) ಇಂಜಿನಿಯರಿಂಗ್
 ವಿಭಾಗದವರು -560 001.

**DEPARTMENT OF TECHNICAL EDUCATION
DIPLOMA COURSE IN ELECTRONICS & COMMUNICATION ENGINEERING
THIRD SEMESTER
Scheme of Study and Examination**

S L. N o.	QP CODE	Subject	Contact Hours			Exam Durati on	Scheme of Examination			Tot al Max Mar ks	Min. Mark s for passi ng	Spoken Tutorial Software E-Resource
			Th eor y	Pr ac t	Tot al		End Exam		I.A. Mar ks			
							Max.Ma rks	Min. Mar ks				
1	9EC31	Analog Electronic Circuits	4		4	3	100	35	25	125	45	
2	9EC32	Digital Electronics & Introduction to Microprocessor s	4		4	3	100	35	25	125	45	
3	9EC33	Analog Communication	4		4	3	100	35	25	125	45	
4	9EC34	Electronic Measurements and Instrumentation	4		4	3	100	35	25	125	45	
		PRACTICALS										
5	9EC35P	Analog Electronics Circuits lab		6	6	3	100	50	25	125	60	
6	9EC36P	Analog Communication Lab		6	6	3	100	50	25	125	60	
7	9EC37P	PCB Design & Simulation Lab	2	4	6	3	100	50	25	125	60	Scilab
		Total	18	16	34		700	290	175	875	360	


 ಎಲೆಕ್ಟ್ರಾನಿಕ್ಸ್ ಮತ್ತು ಸಂವಹನ ಇಂಜಿನಿಯರಿಂಗ್
 ಎಸ್.ಬಿ. (ಸರ್ಕಾರಿ) ಪಾಲಿಟೆಕ್ನಿಕ್
 ಬೆಂಗಳೂರು -560 001.

FOURTH SEMESTER

S L N o.	Q P CODE	Subject	Contact Hours			Exa m Dura tion	Scheme of Examination			Total Max Mark s	Min. Marks for passin g	Spoken Tutorial Software E- Resource
			Theo ry	Pr act	Tot al		End Exam					
							Max.Mark s	Min. Mark s	I.A. Mark s			
1	9EC41	Microcontrollers and Its Applications	4		4	3	100	35	25	125	45	
2	9EC42	Digital Communication	4		4	3	100	35	25	125	45	
3	9EC43	Data communication & Networks	4		4	3	100	35	25	125	45	
4	9EC44	Audio & Video Systems	4		4	3	100	35	25	125	45	
		PRACTICALS										
5	9EC45P	Microcontrollers and Its Applications Lab		6	6	3	100	50	25	125	60	
6	9EC46P	Digital Communication Lab		6	6	3	100	50	25	125	60	
7	9EC47P	PC Hardware & Networks lab		6	6	3	100	50	25	125	60	
		Total	16	18	34		700	290	175	875	360	

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ವಿಭಾಗಾಧಿಕಾರಿಗಳು
 ಎಲೆಕ್ಟ್ರಾನಿಕ್ಸ್ ಮತ್ತು ಕಮ್ಯೂನಿಕೇಷನ್
 ಎಂ.ಟಿ. (ಸರ್ಕಾರಿ) ಪಾಲಿಟೆಕ್ನಿಕ್
 ಬೆಂಗಳೂರು - 560 001.

(16)

**DEPARTMENT OF TECHNICAL EDUCATION
DIPLOMA COURSE IN ELECTRONICS & COMMUNICATION
ENGINEERING**

FIFTH SEMESTER, Scheme of Study and Examination

Q P Code	Subject	Contact Hours			Exam Duration In Hrs	Scheme of Examination			Total Max Marks	Min. Marks for passing with I A Marks	Spoken Tutorial Software E- Resource
		The ory	Pra ct	To tal		End Exam		I.A. Marks			
						Max. Marks	Min. Pass Marks				
9E C51	Industrial Automation	4	-	4	3	100	35	25	125	45	
9EC 52	VHDL Programmin g	4	-	4	3	100	35	25	125	45	
9E C53	Advanced Microproces sors	4	-	4	3	100	35	25	125	45	
9EC 54	Advanced Communica tion	4	-	4	3	100	35	25	125	45	
	PRACTICA LS										
9EC 55P	Industrial Automation Lab	-	6	6	3	100	50	25	125	60	
9EC 56P	VHDL Lab	-	6	6	3	100	50	25	125	60	
9EC 57P	CASP	-	6	6	3	50	25	75	125	60	
9EC 58P	Project Work-I	-	3	3	-	-	-	25	25	-	LaTeX
	Total	16	18	34		650	265	250	900	360	


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ವಿಭಾಗಾಧಿಕಾರಿಗಳು
ಎಲೆಕ್ಟ್ರಾನಿಕ್ಸ್ ಮತ್ತು ಸಂಪರ್ಕ ವಿಭಾಗ
ಎಸ್.ಜಿ. (ಸರ್ಕಾರ) ಹಾಗೂ ಪ್ರಾ.ಜಿ.ಎಸ್.
ಬೆಂಗಳೂರು -560 001.

(15)

DEPARTMENT OF TECHNICAL EDUCATION
DIPLOMA COURSE IN ELECTRONICS & COMMUNICATION ENGINEERING
SIXTH SEMESTER
Scheme of Study and Examination

Q P Code	Subject	Contact Hours			Exam Duration	Scheme of Examination			Total Max Marks	Min. Marks for passing	Spoken Tutorial Software E-Resource
		Theory	Pract	Total		End Exam		I.A. Marks			
						Max.Marks	Min. Marks				
9EC61	Basic Management Skills and Indian Constitution.	4	-	4	3	100	35	25	125	45	
9EC62	ARM Controller	4		4	3	100	35	25	125	45	
9EC63	Medical Electronics	4		4	3	100	35	25	125	45	
	PRACTICALS	-									
9EC64P	ARM Controller Lab	-	6	6	3	100	50	25	125	60	
9EC65P	MATLAB	-	6	6	3	100	50	25	125	60	Scilab
9EC66P	Project Work	-	3	3	3	100	50	25	125	60	
	Total	12	15	27		600	255	150	750	315	


 ವಿಭಾಗಾಧಿಕಾರಿಗಳು
 ಎಲೆಕ್ಟ್ರಾನಿಕ್ಸ್, ಕಮ್ಯೂನಿಕೇಷನ್
 ಎಂ.ಜಿ. (ಸರ್ಕಾರಿ) ಪಾಲಿಟೆಕ್ನಿಕ್
 ಬೆಂಗಳೂರು -560 001.

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Govt. of Karnataka

Department of Technical Education

Diploma Course in Computer Science & Engineering/Information Science & Engineering

First Semester (Scheme of Study & Examination) w.e.f. 2009-10

Q P CODE	Theory Subjects	Contact Hours			Exam Durat ion	Scheme of Examination			Tot al Mar ks	Min Mar ks For Passi ng	Spoken Tutorial Software E- Resource
		Th eor y	Practi cal	Tot al		End Exam		I A Mar ks			
						Ma x mar ks	Min Mar ks				
9SC01M	Applied Mathematics - I	4		4	3	100	35	25	125	45	
9SC03S	Applied Science	5		5	3	100	35	25	125	45	
9CS13	Concepts of Electrical & Electronic Engineering	4		4	3	100	35	25	125	45	
9CS14	Introduction to Computer Concepts	4		4	3	100	35	25	125	45	
	Practicals										
9SC10P	Applied Science Lab		6	6	3	100	50	25	125	60	
9CS16P	Basic Electronics lab		6	6	3	100	50	25	125	60	
9CS17P	Basic Computer Skills lab		6	6	3	100	50	25	125	60	Libre Office Writer, Calc, Impress
	Total	17	18	35		700	290	175	875	360	

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ENGINEERING SECTION
J. (GOVT.) POLYTECHNIC
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Govt. of Karnataka

Department of Technical Education

Diploma Course in Computer Science & Engineering/Information Science & Engineering

Second Semester (Scheme of Study & Examination) w.e.f. 2009-10

Q P CODE	Theory Subjects	Contact Hours			Exam Durat ion	Scheme of Examination			Tot al Mar ks	Min Mar ks For Passi ng	Spoken Tutorial Software E- Resource
		The ory	Practi cal	Tot al		End Exam		I A Mar ks			
						Ma x mar ks	Min Mar ks				
9SC02 M	Applied Mathematics- II	4		4	3	100	35	25	125	45	
9CP01 E	English Communicatio n	4		4	3	100	35	25	125	45	
9EC02 E	Digital Electronics	4		4	3	100	35	25	125	45	
9CS01 C	Programming with C	4		4	3	100	35	25	125	45	
	Practicals										
9EC26 P	Digital Lab		6	6	3	100	50	25	125	60	
9CS26 P	Programming with C Lab		6	6	3	100	50	25	125	60	C
9CS27 P	Multimedia Lab		6	6	3	100	50	25	125	60	GIMP/ Blender
	Total	16	18	34		700	290	175	875	360	

**Common to E&C, EI&C,CS,
IS

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Department of Technical Education

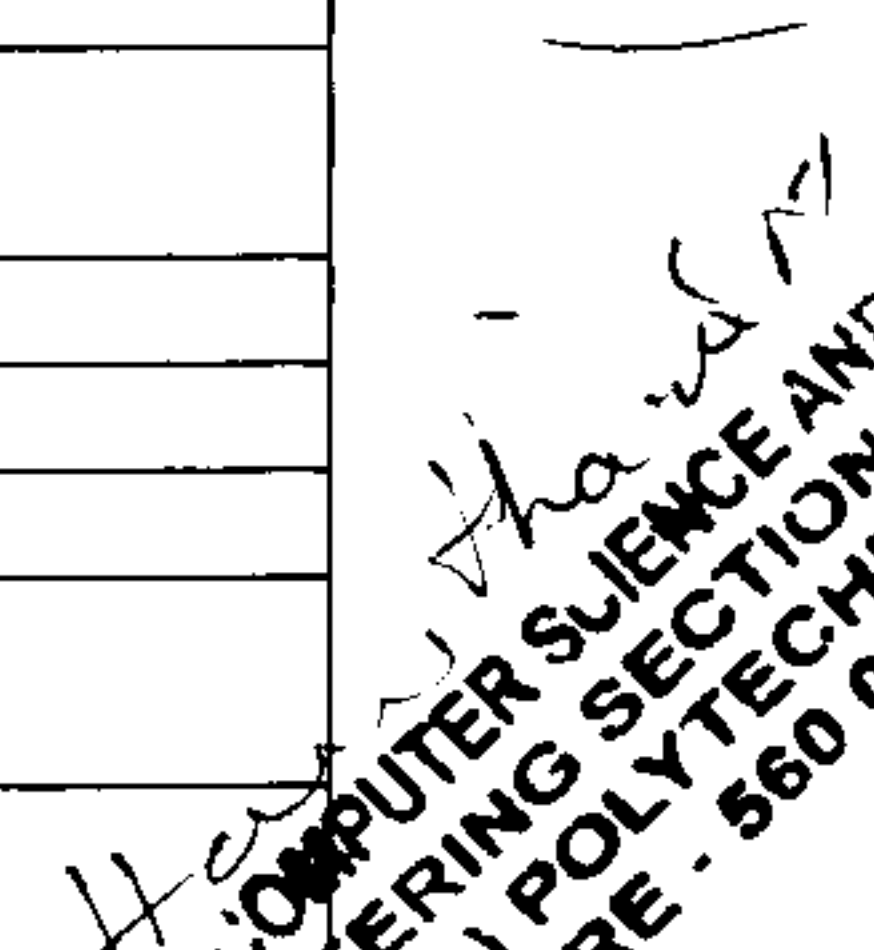
Diploma in Information Science & Engineering

Third Semester

Scheme of Study and Examination

(With effect from 2010-2011)

Sl. No	Subjects	Q P CODE	Contact Hours			Exam. Duration	Scheme of Examination			Spoken Tutorial Software E-Resource	
			Theory	Prac t.	Total		End Exam.		I. A. Marks **		Total Max. Marks
						Max. Marks	Min. passing Marks				
	Theory										
1	Analysis and design of Algorithm	9IS31	4		4	3	100	35	25	125	45
2	Data Structures Using C	9CS32	4		4	3	100	35	25	125	45
3	Computer Networks	9CS33	4		4	3	100	35	25	125	45
	Practical										
4	Data Structures lab	9CS34P		6	6	3	100	50	25	125	60
5	Analysis and design of Algorithm Lab	9IS35P		6	6	3	100	50	25	125	60
6	Graphical User Interface lab	9CS36P		6	6	3	100	50	25	125	60
7	Web Design lab	9CS37P		6	6	3	100	50	25	125	60
			12	24	36		700	340	175	875	375


 HEAD OF COMPUTER SCIENCE AND
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 (GOVT.) POLYTECHNIC
 BANGALORE - 560 002

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Govt. of Karnataka
Department of Technical Education
Diploma in Information Science & Engineering
Fourth Semester
Scheme of Study and Examination
(With effect from 2010-2011)

Sl. No	Subjects	Q P CODE	Contact Hours			Exam. Duration	Scheme of Examination					Spoken Tutorial Software E-Resource
			Theory	Pract.	Total		End Exam.		I. A. Marks **	Total Max. Marks	Min Marks for passing (with IA)	
						Max. Marks	Min. passing Marks					
	Theory											
1	OOP with C++	9CS41	4		4	3	100	35	25	125	45	
2	Database Management Systems	9CS42	4		4	3	100	35	25	125	45	
3	Information System and Managerial Issues	9IS43	4		4	3	100	35	25	125	45	
4	Software Engineering	9CS44	4		4	3	100	35	25	125	45	
	Practical											
5	OOP with C++ lab	9CS45P		6	6	3	100	50	25	125	60	C++
6	DBMS lab	9CS46P		6	6	3	100	50	25	125	60	MySQL
7	Linux lab	9CS47P		6	6	3	100	50	25	125	60	
			16	18	34		700	290	175	875	360	

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 ENGINEERING SECTION
 (SDVT) POLYTECHNIC
 BANGALORE - 560 001.

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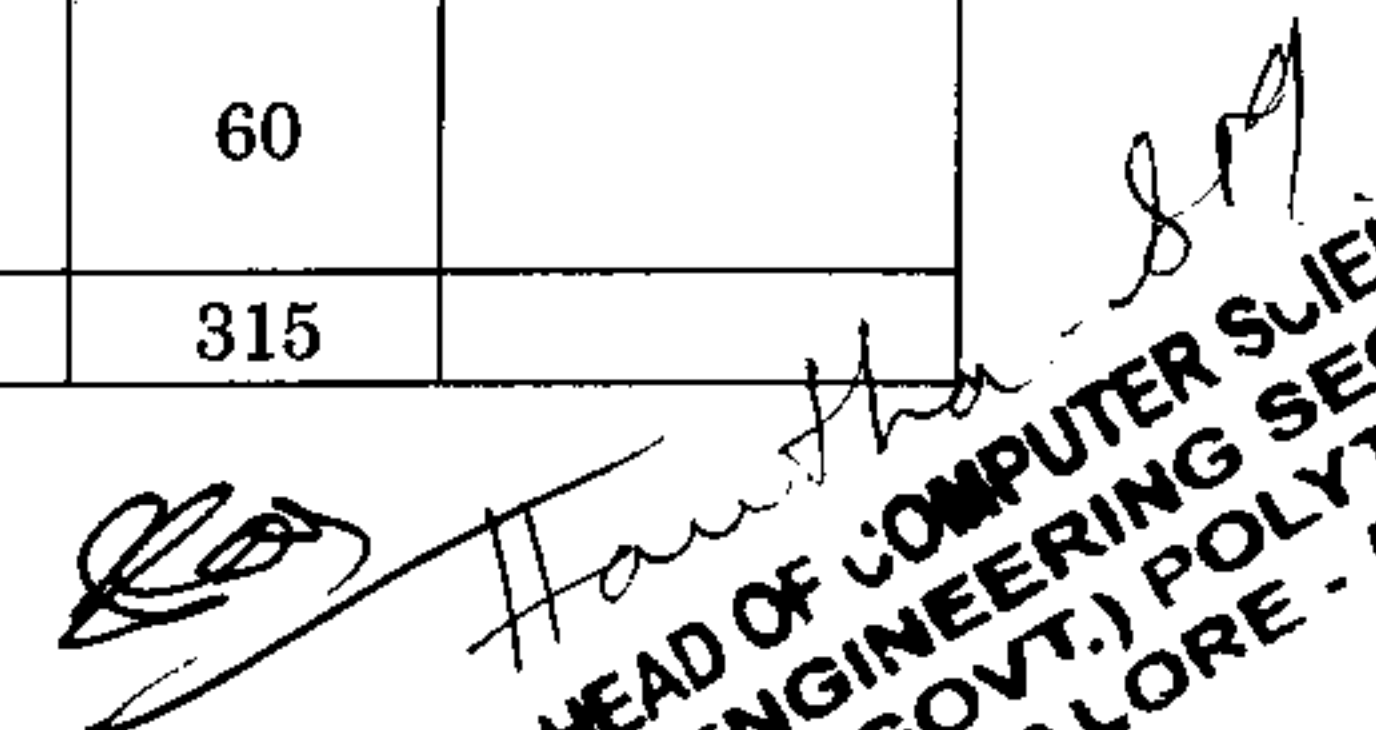
DEPARTMENT OF TECHNICAL EDUCATION
DIPLOMA COURSE IN INFORMATION SCIENCE & ENGINEERING ,
FIFTH SEMESTER ,SCHEME OF STUDY AND EXAMINATION (W.E.F : 2011-12)

Q P CODE	SUBJECT	CONTACT HOURS			EXAM DURATION	SCHEME OF EXAMINATION			TOTAL MAX MARKS	MIN. MARKS FOR PASSING	SPOKEN TUTORIAL SOFTWARE E-RESOURCE
		THY	PRACT	TOTAL		END EXAM		I.A. MARKS			
						MAX. MARKS	MIN. MARKS				
9CS51	BASIC MANAGEMENT SKILLS & INDIAN CONSTITUTION.	4		4	3	100	35	25	125	45	
9CS52	PROGRAMMING WITH JAVA	4		4	3	100	35	25	125	45	
9CS53	WEB PROGRAMMING	4		4	3	100	35	25	125	45	
	PRACTICALS										
9IS54P	PROGRAMMING WITH JAVA LAB		6	6	3	100	50	25	125	60	JAVA
9IS55P	WEB PROGRAMMING LAB		6	6	3	100	50	25	125	60	PHP, MySQL
9IS56P	CASP		6	6	3	50	25	75	125	60	
9IS57P	PROJECT WORK - I		3	3	-	-	-	25	25	-	LATEX
	TOTAL	12	21	33		550	230	225	775	315	

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**HEAD OF COMPUTER SCIENCE AND
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J. (GOVT.) POLYTECHNIC
BANGALORE - 560 004**

DEPARTMENT OF TECHNICAL EDUCATION
DIPLOMA COURSE IN INFORMATION SCIENCE & ENGINEERING
SIXTH SEMESTER, SCHEME OF STUDY AND EXAMINATION
W.E.F : 2011-12

QP CODE	SUBJECT	CONTACT HOURS			EXAM DURATION IN HRS	SCHEME OF EXAMINATION			TOTAL MAX MARKS	MIN. MARKS FOR PASSING WITH IA MARKS	SPOKEN TUTORIAL SOFTWARE E-RESOURCE
		THY	PRACT	TOTAL		END EXAM		I.A. MARKS			
						MAX. MARKS	MIN. PASS MARKS				
9CS61	Software Testing	4	-	4	3	100	35	25	125	45	
9IS61	Advance DBMS	4	-	4	3	100	35	25	125	45	
	<u>Elective (Any One)</u>										
9CS63EA	1) Information Storage and Management										
9CS63EB	2) Mobile Computing	4	-	4	3	100	35	25	125	45	
9CS62	3) Network Security & Management										
	Practical's										
9IS62P	Software Testing Lab	-	6	6	3	100	50	25	125	60	
9IS63P	PL/SQL Lab	-	6	6	3	100	50	25	125	60	MY SQL
S64P	Project Work-II	-	3	3	3	100	50	25	125	60	
	TOTAL	12	15	27		600	255	150	750	315	


 HEAD OF COMPUTER SCIENCE
 ENGINEERING SECTION
 (GOVT.) POLYTECHNIC
 BANGALORE - 560

FIRST SEMESTER DIPLOMA IN ELECTRICAL AND ELECTRONICS ENGINEERING
Scheme of Study and Examination.
(With effect from 2009-10)

SL No.	Q P CODE	Theory Subject	Contact Hours			Exam Duration	Scheme of Examination		Total Marks	Spoken Tutorial Software E-Resource
			Theory	Pract	Total		End Exam.			
							Min marks	Max marks		
1	9SC003S	Applied Science	5	---	5	3	35	100	125	45
2	9SC01M	Applied Mathematics-I.	4	---	4	3	35	100	125	45
3	9ME02M	Mechanical Engg. Sciences	4	---	4	3	35	100	125	45
4	9EE14	Elements of Electrical Engg	4	---	4	3	35	100	125	45
		Drawing/Practicals								
5	9SC10P	Applied Science lab	---	6	6	3	50	100	125	60
6	9EE16P	Basic Computer Skills Lab	---	6	6	3	50	100	125	60
		Libre Office Writer, Calc, Impress								
7	9EE17P	Electrical Wiring Lab	---	6	6	3	50	100	125	60
		Oscad								
		Total	17	18	35			700	875	360


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 Electrical & Electronics Engg.
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SECOND SEMESTER DIPLOMA IN ELECTRICAL AND ELECTRONICS ENGINEERING
Scheme of Study and Examination.
(With effect from 2009-10)

S L N o.	Q P CODE	Theory Subject	Contact Hours			Exam. Duratio n	Scheme of Examination			Total Mark s	Min marks for passing	Spoken Tutorial Software E- Resource
			The ory	Prac t.	Total		End Exam.		I.A Marks *			
							Max Marks	Min marks				
1	9SC02M	Applied Mathematics-II.	4	---	4	3	100	35	25	125	45	
2	9CP01E	English communication	4	---	4	3	100	35	25	125	45	
3	9EE23	Electrical Circuits	4	---	4	3	100	35	25	125	45	
4	9EE24	Electronics-I	4	---	4	3	100	35	25	125	45	
		Drawing/ Practicals										
5	9EE25P	Computer Aided Engg. Drawing	---	6	6	3	100	50	25	125	60	Q-CAD
6	9EE26P	Electrical Circuit Laboratory	---	6	6	3	100	50	25	125	60	
7	9EE27P	Electronics-I Lab	---	6	6	3	100	50	25	125	60	
		Total	16	18	34		700			875	360	



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S.J. (Govt.) Technic,
Bangalore-560 001.



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Department of Technical Education
DIPLOMA COURSE IN ELECTRICAL AND ELECTRONICS ENGINEERING
THIRD SEMESTER
Scheme of Study and Examination.
(With effect from 2010-11)


S I. N o.	Q P CODE	Subjects	Contact Hours			Exam. Durati on	Scheme of Examination			Total Max. Mark s (7+9)	Min marks for passing (with IA)	Spoken Tutorial Software E- Resource
			Theo ry	Prac t.	Total		End Exam.		I.A. Mark s *			
							Max mark s	Min passin g Marks				
1		2	3	4	5	6	7	8	9	10	11	
1	9EE31	Electrical Machines-I	4	---	4	3	100	35	25	125	45	
2	9EE32	Communication and Computer networks	4	---	4	3	100	35	25	125	45	
3	9EE33	Electrical & Electronics Measurements	4	---	4	3	100	35	25	125	45	
4	9EE34	Electronics-II	4	---	4	3	100	35	25	125	45	
		Drawing / Practical										
5	9EE35P	Electrical measurements Lab	---	6	6	3	100	50	25	125	60	
6	9EE36P	Electronics Lab-II	---	6	6	3	100	50	25	125	60	
7	9EE37P	Computer Aided Electrical Drawing.	---	6	6	4	100	50	25	125	60	
		TOTAL	16	18	34		700	290	175	875	360	


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Department of Technical Education
DIPLOMA COURSE IN ELECTRICAL AND ELECTRONICS ENGINEERING
FOURTH SEMESTER
Scheme of Study and Examination.
(With effect from 2010-11)

S L N o	Q P CODE	Subjects	Contact Hours			Exam. Duratio n	Scheme of Examination			Total Max. Marks (7+9)	Min marks for passing (with IA)	Spoken Tutorial Software E- Resource
			The ory	Pr ac t.	To tal		End Exam.		I.A Mark s*			
							Max Marks	Min Passin g marks				
1		2	3	4	5	6	7	8	9	10	11	
1	9EE41	Electrical Machines - II	4		4	3	100	35	25	125	45	
2	9EE42	Electrical Power Generation	4		4	3	100	35	25	125	45	
3	9EE43	Transmission and Distribution	4		4	3	100	35	25	125	45	
4	9EE44	Power Electronics	4		4	3	100	35	25	125	45	
		Drawing / Practicals										
5	9EE45P	Electrical Machines Lab	---	6	6	3	100	50	25	125	60	
6	9EE46P	Power Electronics Lab	---	6	6	3	100	50	25	125	60	
7	9EE47P	C-Programming Lab	---	6	6	3	100	50	25	125	60	C
		TOTAL	16	18	34		700	290	175	875	360	


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**DEPARTMENT OF TECHNICAL EDUCATION
DIPLOMA IN ELECTRICAL AND ELECTRONICS ENGG.
FIFTH SEMESTER**

SCHEME OF STUDY AND EXAMINATION (WITH EFFECT FROM 2011- 12)

Q P CODE	SUBJECTS	Contact hours/WEEK			Exam Duration In Hrs	SCHEME OF EXAMINATION			Total Max Marks	Min. Marks for Pass with IA	Spoken Tutorial Software E- Resource
		Theor y	Practic al	Total		End exam		IA Marks			
						Max Mark s	Min Pass Marks				
	2	3	4	5	6	7	8	9	10	11	
	THEORY										
9EE51	ESTIMATION & SPECIFICATION	4	-	4	3	100	35	25	125	45	
9EE52	SWITCHGEAR & PROTECTION	4	-	4	3	100	35	25	125	45	
**	ELECTIVE THEORY (Any										
9EE53EA	Embedded System										
9EE53EB	Mechatronics	4	-	4	3	100	35	25	125	45	
9EE53EC	Industrial Automation										
9EE53ED	Testing and Maintenance of sub										
	PRACTICALS										
9EE54P	ELECTRICAL WORK SHOP	-	6	6	3	100	50	25	125	60	
**	ELECTIVE LAB (Any One)										
9EE55EA	Embedded System Lab										
9EE55EB	Simulation Lab	-	6	6	3	100	50	25	125	60	
9EE55EC	Industrial Automation Lab.										
9EE55ED	Electrical Installation Design Lab										
9EE56P	CASP	-	3	3	3	50	25	75	125	60	
9EE57P	PROJECT WORK-I		3	3			--	25	25	--	LaTeX
	TOTAL	12	18	30	18	550	230	225	775	315	


** Elective theory and Elective lab may be chosen independently

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DEPARTMENT OF TECHNICAL EDUCATION
DIPLOMA IN ELECTRICAL AND ELECTRONICS ENGG.
SIXTH SEMESTER
SCHEME OF STUDY AND EXAMINATION
(WITH EFFECT FROM 2011- 12)

Q P Code	SUBJECTS	Contact hours/WEEK			Exam Duration In Hrs	SCHEME OF EXAMINATION			Total Max Marks	Min. Marks for Pass with IA	Spoken Tutorial Software E-Resource
		Theor y	Practic al	Total		End exam		IA Marks			
						Max Marks	Min Pass Marks				
	2	3	4	5	6	7	8	9	10	11	
	THEORY										
9EE61	INDUSTRIAL DRIVES & CONTROL	4	-	4	3	100	35	25	125	45	
9EE62	UTILISATION OF ELECTRICAL ENERGY & MANAGEMENT	4	-	4	3	100	35	25	125	45	
9EE63	BASIC MANAGEMENT SKILLS and INDIAN CONSTITUTION.	4	-	4	3	100	35	25	125	45	
	PRACTICALS										
9EE64P	ELECTRIC MOTOR CONTROL LAB	-	6	6	3	100	50	25	125	60	
9EE65P	PLC & HDL LAB	-	6	6	3	100	50	25	125	60	PLC & HDL
9EE66P	PROJECT WORK	-	6	6	3	100	50	25	125	60	
9EE67P	INDUSTRIAL VISIT						--	25	25	--	
	TOTAL	12	18	30	18	600	255	175	775	315	


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