

**\* Regulation No. 4 of 2005**

Examinations leading to the Degree of Master of Engineering (M.E.)(Part Time) Regulation, 2005.

Whereas it is expedient to frame the Regulation in respect of Examinations leading to the Degree of Master of Engineering (M.E.)(Part Time) Regulation, 2005 for the purposes hereinafter appearing the Management Council is hereby pleased to make a following Regulation.

1. This regulation may be called "Examinations leading to the Degree of Master of Engineering (M.E.) (Part-Time) Regulation, 2005."
2. This Regulation shall come into force w.e.f. the date of its approval by the Management Council.
3. The Schemes of Teachings and Examinations for First, Second & Third year in respect of Examinations leading to the Degree of Master of Engineering (M.E.)(Part Time) shall be as per Appendices-A, B, C, D, E, F & G appended with this Regulation respectively.

**\* Ammended vide Regulation No.36 of 2005 and 25 of 2007****Appendix-A**

Three Year Post Graduate Degree Course in Civil Engineering (**Geotechnical Engineering**)  
Master of Engineering (Geotechnical Engineering) (Part-Time)

**FIRST SEMESTER**

Sr. No.	Name of the Subject	Hours / Week				Examination Scheme								
		L	T	P		<b>THEORY</b>				<b>PRACTICAL</b>				
					Dura- tion of Papers (Hrs)	Max. Marks Theory Papers	Max. Marks College Assess- ment.	To- tal	<b>Min. Pass Marks</b> Theory Papers		Max. Mar- ks	Max. Marks College Assess- ment	To- tal	Min. Pass Marks
1.	1SPCGE1 Advanced Soil Mechanics	4	-	2	3	80	20	100	40	50	25	25	50	25
2.	1SPCGE2 Foundation Engineering	4	-	2	3	80	20	100	40	50	25	25	50	25
<b>TOTAL</b>		<b>8</b>	<b>-</b>	<b>4</b>	<b>-</b>			<b>200</b>					<b>100</b>	

TOTAL : 300

**SECOND SEMESTER**

1.	2SPCGE1 Ground Improvement	4	-	2	3	80	20	100	40	50	25	25	50	25
2.	2SPCGE2 Soil Dynamics & Machine Foundations	4	-	2	3	80	20	100	40	50	25	25	50	25
<b>TOTAL</b>		<b>8</b>		<b>4</b>	<b>-</b>			<b>200</b>					<b>100</b>	

TOTAL : 300

**THIRD SEMESTER**

1.	3SPCGE1 Earthdam Analysis & Design	4	-	2	3	80	20	100	40	50	25	25	50	25
2.	3SPCGE2 Rock Mechanics	4	-	2	3	80	20	100	40	50	25	25	50	25
<b>TOTAL</b>		<b>8</b>		<b>4</b>	<b>-</b>			<b>200</b>					<b>100</b>	

TOTAL : 300

**FOURTH SEMESTER**

1.	4SPCGE1	Engineering with Geosynthetics	4	-	-	3	80	20	100	40	50	—	—	—	—
2.	4SPCGE2	Elective-I	4	-	-	3	80	20	100	40	50	—	—	—	—
3.	4SPCGE3	Elective-II	4	-	-	3	80	20	100	40	50	—	—	—	—
<b>TOTAL</b>			<b>12</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>—</b>	<b>—</b>	<b>300</b>						

TOTAL : 300

Elective-I : 1) Geoenvironmental Engg. 2) Offshore Structure Engg. 3) Soil Structure Interaction  
 Elective-II: 1) Application of FEM in Geotechnical Engg. 2) Geotechnical Earthquake Engg.  
 3) Construction Methods in Geotechnical Engg.

**FIFTH SEMESTER**

Sr. No.	Name of the Subject	Hours / Week	Examination Scheme					
			L	T	P			
						Internal marks	Total	Min Pass Marks
1.	5SPCGE1	Dissertation and Seminar	-	-	6	100	100	50
<b>TOTAL</b>			<b>-</b>	<b>-</b>	<b>6</b>		<b>100</b>	

TOTAL : 100

**SIXTH SEMESTER**

Sr. No.	Name of the Subject	Hours / Week	Examination Scheme						
			L	T	P				
						External marks	Internal marks	Total	Min. pass marks
1.	6SPCGE1	Dissertation and Seminar	-	-	6	200	100	300	150
<b>TOTAL</b>			<b>-</b>	<b>-</b>	<b>6</b>			<b>300</b>	

TOTAL : 300

**GRAND TOTAL : 1600****Semester V**

Seminar : Seminar to be delivered on work completed during fifth semester. 50 internal marks out of 100 will be assessed by a Committee consisting of Head of Department, dissertation guide and subject expert appointed by Principal of the College / Head of University Department. Remaining 50 internal marks will be given by guide based on performance.

Dissertation : Title of the dissertation work to be submitted to the University on or before 15th Sept. (for regular examination) and 15th of February (for supplementary exam.). Title accepted/modified /rejected by the sanctioning authority of University to be conveyed to the concern within a month.

**Semester VI**

Seminar : to be delivered on the complete work of dissertation. 50 internal marks out of 100 will be assessed by a Committee consisting of Head of Department, dissertation guide and subject expert appointed by Principal of the College / Head of University Department. Remaining 50 internal marks will be given by guide based on performance.

Note : Thesis of dissertation work must be submitted to the University on or before 30th April (for regular exam. ) and 30th November ( for supplementary exam.). Thesis of Dissertation work be submitted with late fee to the University upto 31 May (for regular exam.) and 31st December (for supplementary exam.). The late fee shall be charged as in case of Examination form.

Notes : 1. Student should fill the examination form in the beginning of 5th semester jointly for 5th & 6th semester.

2. Single marksheet for 5th & 6th semester together will be given to the student.

Three Year Post Graduate Degree Course in Electrical Engineering (**Electrical Power System**)  
Master of Engineering (Part-Time)

**FIRST SEMESTER**

Sr. No.	Name of the Subject	Hours / Week	Examination Scheme												
			L	T	P	THEORY			PRACTICAL						
						Duration of Papers (Hrs)	Max. Marks Theory Papers	Max. Marks College Assessment.	Total	Min. Pass Marks Theory Papers	Max. Marks	Max. Marks College Assessment	Total	Min. Pass Marks	
1.	1SEPS1	Power System Optimization	4	-	-	3	80	20	100	40	50	—	—	—	—
2.	1SEPS2	Generation Planning and Load Dispatch	4	-	-	3	80	20	100	40	50	—	—	—	—
3.	1SEPS3	Microprocessor & Microcontroller	4	-	-	3	80	20	100	40	50	—	—	—	—
<b>TOTAL</b>			12	-	-	-	—	—	300						

TOTAL : 300

**SECOND SEMESTER**

1.	1SEPS4	Power System Dynamics	4	-	-	3	80	20	100	40	50	—	—	—	—
2.	1SEPS5	Digital Signal Processing	4	-	-	3	80	20	100	40	50	—	—	—	—
3.	1SEPS6	Power System Lab.-I	-	-	4	-	—	—	—	—	--	50	50	100	50
<b>TOTAL</b>			8	-	4					200					

TOTAL : 300

**THIRD SEMESTER**

1.	2SEPS1	Advanced Power System Protection	4	-	-	3	80	20	100	40	50	—	—	—	—
2.	2SEPS2	High Voltage Transmission	4	-	-	3	80	20	100	40	50	—	—	—	—
3.	2SEPS3	Power System Modeling & Control	4	-	-	3	80	20	100	40	50	—	—	—	—
<b>TOTAL</b>			12	-	-	-	—	—	300						

TOTAL : 300

**FOURTH SEMESTER**

1.	2SEPS4	Computer Methods in Power System Analysis	4	-	-	3	80	20	100	40	50	—	—	—	—
2.	2SEPS5	FACTS and Power Quality	4	-	-	3	80	20	100	40	50	—	—	—	—
3.	2SEPS6	Power System Lab.-II	-	-	4	-	—	—	—	—	50	50	100	50	
<b>TOTAL</b>			8	-	4	-	—	—	200					100	

TOTAL : 300

**FIFTH SEMESTER**

Sr. No.	Name of the Subject	Hours / Week			Examination Scheme		
		L	T	P	Internal marks	Total	Min Pass Marks
1.	3SEPS1 Dissertation and Seminar	-	-	6	100	100	50
TOTAL		-	-	6		100	

TOTAL : 100

**SIXTH SEMESTER**

Sr. No.	Name of the Subject	Hours / Week			External marks	Internal marks	Total	Min. pass marks
		L	T	P				
1.	4SEPS1 Dissertation and Seminar	-	-	6	200	100	300	150
TOTAL		-	-	6			300	

TOTAL : 300

**GRAND TOTAL : 1600****Semester V**

Seminar : Seminar to be delivered on work completed during fifth semester. 50 internal marks out of 100 will be assessed by a Committee consisting of Head of Department, dissertation guide and subject expert appointed by Principal of the College / Head of University Department. Remaining 50 internal marks will be given by guide based on performance.

Dissertation : Title of the dissertation work to be submitted to the University on or before 15th Sept. (for regular examination) and 15th of February (for supplementary exam.). Title accepted/modified /rejected by the sanctioning authority of University to be conveyed to the concern within a month.

**Semester VI**

Seminar : to be delivered on the complete work of dissertation. 50 internal marks out of 100 will be assessed by a Committee consisting of Head of Department, dissertation guide and subject expert appointed by Principal of the College / Head of University Department. Remaining 50 internal marks will be given by guide based on performance.

Note : Thesis of dissertation work must be submitted to the University on or before 30th April (for regular exam. ) and 30th November ( for supplementary exam.). Thesis of Dissertation work be submitted with late fee to the University upto 31 May (for regular exam.) and 31st December (for supplementary exam.). The late fee shall be charged as in case of Examination form.

Notes : 1. Student should fill the examination form in the beginning of 5th semester jointly for 5th & 6th semester.

2. Single marksheet for 5th & 6th semester together will be given to the student.

Three Year Post Graduate Degree Course in Mechanical Engineering (**Thermal Power Engineering**)  
Master of Engineering (Part-Time)

**FIRST SEMESTER**

Sr. No.	Name of the Subject	Hours / Week				Examination Scheme								
		L	T	P		THEORY			PRACTICAL					
					Dura- tion of Papers (Hrs)	Max. Marks Theory Papers	Max. Marks College Assess- ment.	To- tal	<u>Min. Pass Marks</u> Theory Papers		Max. Mar- ks	Max. Marks College Assess- ment	To- tal	Min. Pass Marks
1.	1SPMTE1 Advanced Mathematics	4	-	-	3	80	20	100	40	50	—	—	—	—
2.	1SPMTE2 Advanced Thermodynamics	4	-	-	3	80	20	100	40	50	—	—	—	—
3.	1SPMTE3 Fluid Dynamics	4	-	-	3	80	20	100	40	50	—	—	—	—
<b>TOTAL</b>		<b>12</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>—</b>	<b>—</b>	<b>300</b>						

TOTAL : 300

**SECOND SEMESTER**

1.	2SPMTE1 Advanced Heat Transfer	4	-	-	3	80	20	100	40	50	—	—	—	—
2.	2SPMTE2 Research Methodology	4	-	-	3	80	20	100	40	50	—	—	—	—
3.	2SPMTE3 Lab. Practice-I	-	-	4	-	—	—	—	—	—	50	50	100	50
<b>TOTAL</b>		<b>8</b>	<b>-</b>	<b>4</b>	<b>-</b>			<b>200</b>					<b>100</b>	

TOTAL : 300

**THIRD SEMESTER**

1.	3SPMTE1 Modern Energy Sources & Power Plant Economics	4	-	-	3	80	20	100	40	50	—	—	—	—
2.	3SPMTE2 Heat Exchanger Design	4	-	-	3	80	20	100	40	50	—	—	—	—
3.	3SPMTE3 Elective-I	4	-	-	3	80	20	100	40	50	—	—	—	—
<b>TOTAL</b>		<b>12</b>						<b>300</b>						

TOTAL : 300

**FOURTH SEMESTER**

1.	4SPMTE1 Elective-II	4	-	-	3	80	20	100	40	50	—	—	—	—
2.	4SPMTE2 Elective-III	4	-	-	3	80	20	100	40	50	—	—	—	—
3.	4SPMTE3 Lab. Practice-II	-	-	4	-	—	—	—	—	—	50	50	100	50
<b>TOTAL</b>		<b>8</b>		<b>4</b>				<b>200</b>					<b>100</b>	

TOTAL : 300

**FIFTH SEMESTER**

Sr. No.	Name of the Subject	Hours / Week			Examination Scheme		
		L	T	P	Internal marks	Total	Min Pass Marks
1.	5SPMTE1 Dissertation and Seminar	-	-	6	100	100	50
TOTAL		-	-	6		100	

TOTAL : 100

**SIXTH SEMESTER**

Sr. No.	Name of the Subject	Hours / Week			External marks	Internal marks	Total	Min. pass marks
		L	T	P				
1.	6SPMTE1 Dissertation and Seminar	-	-	6	200	100	300	150
TOTAL		-	-	6			300	

TOTAL : 300

**GRAND TOTAL : 1600****Semester V**

Seminar : Seminar to be delivered on work completed during fifth semester. 50 internal marks out of 100 will be assessed by a Committee consisting of Head of Department, dissertation guide and subject expert appointed by Principal of the College / Head of University Department. Remaining 50 internal marks will be given by guide based on performance.

Dissertation : Title of the dissertation work to be submitted to the University on or before 15th Sept. (for regular examination) and 15th of February (for supplementary exam.). Title accepted/modified /rejected by the sanctioning authority of University to be conveyed to the concern within a month.

**Semester VI**

Seminar : to be delivered on the complete work of dissertation. 50 internal marks out of 100 will be assessed by a Committee consisting of Head of Department, dissertation guide and subject expert appointed by Principal of the College / Head of University Department. Remaining 50 internal marks will be given by guide based on performance.

Note : Thesis of dissertation work must be submitted to the University on or before 30th April (for regular exam. ) and 30th November ( for supplementary exam.). Thesis of Dissertation work be submitted with late fee to the University upto 31 May (for regular exam.) and 31st December (for supplementary exam.). The late fee shall be charged as in case of Examination form.

Notes : 1. Student should fill the examination form in the beginning of 5th semester jointly for 5th & 6th semester.

2. Single marksheet for 5th & 6th semester together will be given to the student.

Three Year Post Graduate Degree Course in Civil Engineering (**Environmental Engineering**) T : Theory Paper

Master of Engineering (Environmental Engineering) (Part-Time) P : External Practical Exam.

**FIRST SEMESTER**

S : Sessional based on two tests

Sr. No.	Name of the Subject	Hours / Week				Examination Scheme								
		L	T	P		<b>THEORY</b>				<b>PRACTICAL</b>				
					Duration of Papers (Hrs)	Max. Marks Theory Papers	Max. Marks College Assessment.	Total	<u>Min. Pass Marks</u> Theory Papers		Max. Marks	Max. Marks College Assessment	Total	Min. Pass Marks
1.	1SCEE1 Environmental Sciences and Chemistry	4	-	-	3	80	20	100	40	50	—	—	—	—
2.	1SCEE2 Environmental Microbiology	4	-	-	3	80	20	100	40	50	—	—	—	—
3.	1SCEE3 Practicals	-	-	2	-	—	—	—	—	—	25	25	50	25
4.	1SCEE4 Practicals	-	-	2	-	—	—	—	—	—	25	25	50	25
<b>TOTAL</b>		<b>8</b>	<b>-</b>	<b>4</b>	<b>-</b>	<b>—</b>	<b>—</b>	<b>200</b>					<b>100</b>	
<b>TOTAL : 300</b>														
<b>SECOND SEMESTER</b>														
1.	2SCEE1 Watershed Management	4	-	-	3	80	20	100	40	50	—	—	—	—
2.	2SCEE2 Advanced Water Treatment	4	-	-	3	80	20	100	40	50	—	—	—	—
3.	2SCEE3 Advanced Waste Water Treatment	4	-	-	3	80	20	100	40	50	—	—	—	—
<b>TOTAL</b>		<b>12</b>	<b>-</b>	<b>-</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>300</b>						
<b>TOTAL : 300</b>														
<b>THIRD SEMESTER</b>														
1.	3SCEE1 Environmental Impact Assessment & Management	4	-	-	3	80	20	100	40	50	—	—	—	—
2.	3SCEE2 Air Pollution and Control	4	-	-	3	80	20	100	40	50	—	—	—	—
3.	3SCEE3 Practicals	-	-	2	-	—	—	—	—	—	25	25	50	25
4.	3SCEE4 Design Practicals	-	-	2	-	—	—	—	—	—	25	25	50	25
<b>TOTAL</b>		<b>8</b>	<b>-</b>	<b>4</b>	<b>-</b>	<b>—</b>	<b>—</b>	<b>200</b>					<b>100</b>	
<b>TOTAL : 300</b>														
<b>FOURTH SEMESTER</b>														
1.	4SCEE1 Industrial Wasterwater Treatment	4	-	-	3	80	20	100	40	50	—	—	—	—
2.	4SCEE2 Environmental Sanitation & Solid Waste Management	4	-	-	3	80	20	100	40	50	—	—	—	—
3.	4SCEE3 Elective *	4	-	-	3	80	20	100	40	50	—	—	—	—
<b>TOTAL</b>		<b>12</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>—</b>	<b>—</b>	<b>300</b>						
<b>TOTAL : 300</b>														

Elective \* : 1) Hazardous Waste Management      2) Noise Pollution Control  
 3) Environmental Biotechnology              4) Remote Sensing and GIS in Env. Engg.

**FIFTH SEMESTER**

Sr. No.	Name of the Subject	Hours / Week	Examination Scheme			
			L	T	P	Min Pass Marks
1.	5SCEE1 Dissertation and Seminar	- - 6	100	100	50	
TOTAL		- - 6		100		

TOTAL : 100

**SIXTH SEMESTER**

Sr. No.	Name of the Subject	Hours / Week	Examination Scheme			
			External marks	Internal marks	Total	Min. pass marks
1.	6SCEE1 Dissertation and Seminar	- - 6	200	100	300	150
TOTAL		- - 6			300	

TOTAL : 300

**GRAND TOTAL : 1600****Semester V**

Seminar : Seminar to be delivered on work completed during fifth semester. 50 internal marks out of 100 will be assessed by a Committee consisting of Head of Department, dissertation guide and subject expert appointed by Principal of the College / Head of University Department. Remaining 50 internal marks will be given by guide based on performance.

Dissertation : Title of the dissertation work to be submitted to the University on or before 15th Sept. (for regular examination) and 15th of February (for supplementary exam.). Title accepted/modified /rejected by the sanctioning authority of University to be conveyed to the concern within a month.

**Semester VI**

Seminar : to be delivered on the complete work of dissertation. 50 internal marks out of 100 will be assessed by a Committee consisting of Head of Department, dissertation guide and subject expert appointed by Principal of the College / Head of University Department. Remaining 50 internal marks will be given by guide based on performance.

Note : Thesis of dissertation work must be submitted to the University on or before 30th April (for regular exam. ) and 30th November ( for supplementary exam.). Thesis of Dissertation work be submitted with late fee to the University upto 31 May (for regular exam.) and 31st December (for supplementary exam.). The late fee shall be charged as in case of Examination form.

Notes : 1. Student should fill the examination form in the beginning of 5th semester jointly for 5th & 6th semester.

2. Single marksheet for 5th & 6th semester together will be given to the student.

Three Year Post Graduate Degree Course in **Computer Science & Engineering**  
Master of Engineering (Part-Time)

**FIRST SEMESTER**

Sr. No.	Name of the Subject	Hours / Week				Examination Scheme									
		L	T	P		<b>THEORY</b>				<b>PRACTICAL</b>					
					Dura- tion of Papers (Hrs)	Max. Marks Theory Papers	Max. Marks College Assess- ment.	To- tal	<b>Min. Pass Marks</b> Theory Papers	<b>Max. Pass Marks</b> College Assess- ment	Max. Mar- ks	Max. Marks College Assess- ment	To- tal	Min. Pass Marks	
1.	1RME1	Advanced Computer Architecture	4	-	-	3	80	20	100	40	50	—	—	—	—
2.	1RME2	Algorithmics	4	-	-	3	80	20	100	40	50	—	—	—	—
3.	1RME3	Operating System Design	4	-	-	3	80	20	100	40	50	—	—	—	—
TOTAL			12	-	-	-	—	—	300						

TOTAL : 300

**SECOND SEMESTER**

1.	2RME1	Computer Communication Network	4	-	-	3	80	20	100	40	50	—	—	—	—
2.	2RME2	Artificial Neural Network Techniques	4	-	2	3	80	20	100	40	50	25	25	50	25
3.	2RME3	Seminar	-	1	-	-	—	—	—	—	—	--	50	50	25
TOTAL			8	1	2					200					

TOTAL : 300

**THIRD SEMESTER**

1.	3RME1	Digital Image Processing	4	-	2	3	80	20	100	40	50	25	25	50	25
2.	3RME2	DataBase Modeling & Design	4	-	2	3	80	20	100	40	50	25	25	50	25
TOTAL			8		4					200					

TOTAL : 300

**FOURTH SEMESTER**

1.	4RME1	Computer Vision	4	-	2	3	80	20	100	40	50	25	25	50	25
2.	4RME2	Elective *	4	-	-	3	80	20	100	40	50	—	—	—	—
3.	4RME3	Seminar	-	1	-	-	—	—	—	—	—	--	50	50	25
TOTAL			8	1	2	-	—	—	200						

TOTAL : 300

Elective : 1) Expert System Design 2) Real Time System 3) System Simulation 4) Computer Graphics

**FIFTH SEMESTER**

Sr. No.	Name of the Subject	Hours / Week	Examination Scheme			
			L	T	P	Min Pass Marks
1.	5RME1 Dissertation and Seminar	- - 6	100	100	50	
TOTAL		- - 6		100		

TOTAL : 100

**SIXTH SEMESTER**

Sr. No.	Name of the Subject	Hours / Week	External marks	Internal marks	Total	Min. pass marks
1.	6RME1 Dissertation and Seminar	- - 6	200	100	300	150
TOTAL		- - 6			300	

TOTAL : 300

**GRAND TOTAL : 1600****Semester V**

Seminar : Seminar to be delivered on work completed during fifth semester. 50 internal marks out of 100 will be assessed by a Committee consisting of Head of Department, dissertation guide and subject expert appointed by Principal of the College / Head of University Department. Remaining 50 internal marks will be given by guide based on performance.  
Dissertation : Title of the dissertation work to be submitted to the University on or before 15th Sept. (for regular examination) and 15th of February (for supplementary exam.). Title accepted/modified /rejected by the sanctioning authority of University to be conveyed to the concern within a month.

**Semester VI**

Seminar : to be delivered on the complete work of dissertation. 50 internal marks out of 100 will be assessed by a Committee consisting of Head of Department, dissertation guide and subject expert appointed by Principal of the College / Head of University Department. Remaining 50 internal marks will be given by guide based on performance.  
Note : Thesis of dissertation work must be submitted to the University on or before 30th April (for regular exam. ) and 30th November ( for supplementary exam.). Thesis of Dissertation work be submitted with late fee to the University upto 31 May (for regular exam.) and 31st December (for supplementary exam.). The late fee shall be charged as in case of Examination form.

- Notes : 1. Student should fill the examination form in the beginning of 5th semester jointly for 5th & 6th semester.  
2. Single marksheet for 5th & 6th semester together will be given to the student.



**FIFTH SEMESTER**

Sr. No.	Name of the Subject	Hours / Week			Examination Scheme		
		L	T	P	Internal marks	Total	Min Pass Marks
1.	5SPTM1 Dissertation and Seminar	-	-	6	100	100	50
TOTAL		-	-	6		100	

TOTAL : 100

**SIXTH SEMESTER**

Sr. No.	Name of the Subject	Hours / Week			External marks	Internal marks	Total	Min. pass marks
		L	T	P				
1.	6SPTM1 Dissertation and Seminar	-	-	6	200	100	300	150
TOTAL		-	-	6			300	

TOTAL : 300

**GRAND TOTAL : 1600****Semester V**

Seminar : Seminar to be delivered on work completed during fifth semester. 50 internal marks out of 100 will be assessed by a Committee consisting of Head of Department, dissertation guide and subject expert appointed by Principal of the College / Head of University Department. Remaining 50 internal marks will be given by guide based on performance.

Dissertation : Title of the dissertation work to be submitted to the University on or before 15th Sept. (for regular examination) and 15th of February (for supplementary exam.). Title accepted/modified /rejected by the sanctioning authority of University to be conveyed to the concern within a month.

**Semester VI**

Seminar : to be delivered on the complete work of dissertation. 50 internal marks out of 100 will be assessed by a Committee consisting of Head of Department, dissertation guide and subject expert appointed by Principal of the College / Head of University Department. Remaining 50 internal marks will be given by guide based on performance.

Note : Thesis of dissertation work must be submitted to the University on or before 30th April (for regular exam. ) and 30th November ( for supplementary exam.). Thesis of Dissertation work be submitted with late fee to the University upto 31 May (for regular exam.) and 31st December (for supplementary exam.). The late fee shall be charged as in case of Examination form.

Notes : 1. Student should fill the examination form in the beginning of 5th semester jointly for 5th & 6th semester.

2. Single marksheet for 5th & 6th semester together will be given to the student.

Three Year Post Graduate Degree Course in **Digital Electronics** M.E.(Part-Time)**FIRST SEMESTER**

Sr. No.	Name of the Subject		Hours / Week				Examination Scheme								
			L	T	P		<b>THEORY</b>				<b>PRACTICAL</b>				
						Dura- tion of Papers (Hrs)	Max. Marks Theory Papers	Max. Marks College Assess- ment.	To- tal	<u>Min. Pass Marks</u> Theory Papers		Max. Mar- ks	Max. Marks College Assess- ment	To- tal	Min. Pass Marks
1.	1UMEP1	Modern Electronic Design Techniques	4	-	-	3	80	20	100	40	50	—	—	—	—
2.	1UMEP2	Embedded System Design	4	-	-	3	80	20	100	40	50	—	—	—	—
3.	1UMEP3	Digital Signal Processing and Applications	4	-	-	3	80	20	100	40	50	—	—	—	—
TOTAL			12	-	-	-	—	—	300						

TOTAL : 300

**SECOND SEMESTER**

1.	2UMEP1	Digital Communication Techniques	4	-	-	3	80	20	100	40	50	—	—	—	—
2.	2UMEP2	Digital Instrumentation	4	-	-	3	80	20	100	40	50	—	—	—	—
3.	2UMEP3	Lab.-I(basedon1UMEP1 & 1UMEP2)	-	-	2	-	—	—	—	—	—	25	25	50	25
4.	2UMEP4	Lab.-II(based on 2UMEP1 & 2UMEP2)	-	-	2	-	—	—	—	—	—	25	25	50	25
TOTAL			8	-	4				200					100	

TOTAL : 300

**THIRD SEMESTER**

1.	3UMEP1	Digital Image Processing	4	-	-	3	80	20	100	40	50	—	—	—	—
2.	3UMEP2	VLSI Design Technology	4	-	-	3	80	20	100	40	50	—	—	—	—
3.	3UMEP3	Lab.-III(based on 1UMEP3 & 3UMEP1)	-	-	2	-	—	—	—	—	—	25	25	50	25
4.	3UMEP4	Lab.-IV (based on 3UMEP2)	-	-	2	-	—	—	—	—	—	25	25	50	25
TOTAL			8		4				200					100	

TOTAL : 300

**FOURTH SEMESTER**

1.	4UMEP1	Advanced Computer Networks and Programming	4	-	-	3	80	20	100	40	50	—	—	—	—
2.	4UMEP2	Artificial Intelligent Systems	4	-	-	3	80	20	100	40	50	—	—	—	—
3.	4UMEP3	Parallel Computing	4	-	-	3	80	20	100	40	50	—	—	—	—
TOTAL			12	-	-	-	—	—	300						

TOTAL : 300

**FIFTH SEMESTER**

Sr. No.	Name of the Subject	Hours / Week			Examination Scheme		
		L	T	P	Internal marks	Total	Min Pass Marks
1.	5UMEP1 Dissertation and Seminar	-	-	6	100	100	50
TOTAL		-	-	6		100	

TOTAL : 100

**SIXTH SEMESTER**

Sr. No.	Name of the Subject	Hours / Week			External marks	Internal marks	Total	Min. pass marks
		L	T	P				
1.	6UMEP1 Dissertation and Seminar	-	-	6	200	100	300	150
TOTAL		-	-	6			300	

TOTAL : 300

**GRAND TOTAL : 1600****Semester V**

Seminar : Seminar to be delivered on work completed during fifth semester. 50 internal marks out of 100 will be assessed by a Committee consisting of Head of Department, dissertation guide and subject expert appointed by Principal of the College / Head of University Department. Remaining 50 internal marks will be given by guide based on performance.

Dissertation : Title of the dissertation work to be submitted to the University on or before 15th Sept. (for regular examination) and 15th of February (for supplementary exam.). Title accepted/modified /rejected by the sanctioning authority of University to be conveyed to the concern within a month.

**Semester VI**

Seminar : to be delivered on the complete work of dissertation. 50 internal marks out of 100 will be assessed by a Committee consisting of Head of Department, dissertation guide and subject expert appointed by Principal of the College / Head of University Department. Remaining 50 internal marks will be given by guide based on performance.

Note : Thesis of dissertation work must be submitted to the University on or before 30th April (for regular exam. ) and 30th November ( for supplementary exam.). Thesis of Dissertation work be submitted with late fee to the University upto 31 May (for regular exam.) and 31st December (for supplementary exam.). The late fee shall be charged as in case of Examination form.

Notes : 1. Student should fill the examination form in the beginning of 5th semester jointly for 5th & 6th semester.

2. Single marksheet for 5th & 6th semester together will be given to the student.