

M.D.UNIVERSITY, ROHTAK
Scheme of studies & Examination
Bachelor of Engineering (Computer Science & Engineering)
Semester-III
Modified 'E' Scheme effective from 2006-07

Sl. No	Course No.	Subject	Teaching Schedule				Examination Schedule (Marks)				Duration of Exam (Hours)
			L	T	P	Total	Marks of Class works	Theory	Practical	Total	
1	MATH-201-E	Mathematics III (Common for all Branches)	3	2	-	5	50	100	-	150	3
2	CSE-201 E	Data Structures & Algorithms (CSE,EL,IT,EI)	3	1	-	4	50	100	-	150	3
3	CSE-203 E	Discrete Structures (CSE,IT)	3	1	-	4	50	100	-	150	3
4	EE-217 -E	Digital & Analog Communication (CSE,IT)	3	1	-	4	50	100	-	150	3
5	EE-204-E	Digital Electronics (CSE,IT) (Common with 4 th Sem. – EE,EL,EI & IC)	3	1	-	4	50	100	-	150	3
6	HUM-201-E	Economics (Common for all branches)	3	1	-	4	50	100	-	150	3
7	IT-201-E	PC Lab (CSE,IT)	-	-	3	3	50	-	50	100	3
8	CSE-205-E	Data Structures & Algorithms Lab (CSE,IT)	-	-	3	3	50	-	50	100	3
9	EE-224-E	Digital Electronics Lab (CSE,IT & Common with 4 th Sem. – EE,EL,EI & IC)	-	-	2	2	25	-	25	50	3
TOTAL			18	7	8	33	425	600	125	1150	

NOTE:

1. Students will be allowed to use non-programmable scientific calculator. However, sharing of calculator will not be permitted in the examination.
2. The practical hours for the subjects IT-201 E (PC Lab) and CSE-205 E (Data Structure & Algorithms Lab.) has been increased from 2 hours to 3 hours. The marks of class work as well as practical examination in these subjects have been increased from 25 each to 50 each. Thus the total marks for these subjects shall be 100 in place of 50 from the session 2006-07.
3. The grand total of semester marks shall be 1150 in-place of 1050 marks.

M.D.UNIVERSITY, ROHTAK
Scheme of studies & Examination
Bachelor of Engineering (Computer Science & Engineering)
SEMESTER-IV
Modified 'E' Scheme effective from 2006-07

Sl. No.	Course No.	Subject	Teaching Schedule				Examination Schedule (Marks)				Duration of Exam (Hours)
			L	T	P	Total	Marks of Class work	Theory	Practical	Total	
1	CSE-202 E	Data Base Management Systems (CSE,IT)	3	1	-	4	50	100	-	150	3
2	CSE-204 E	Programming Languages (CSE,IT)	3	1	-	4	50	100	-	150	3
3	CSE-206 E	Theory of Automata & Computation	3	1	-	4	50	100	-	150	3
4	IT-202-E	Object-Oriented Programming using C++ (CSE,IT)	3	1	-	4	50	100	-	150	3
5	CSE-208 E	Internet Fundamentals (CSE,IT)	3	1	-	4	50	100	-	150	3
6	CSE-210 E	Computer Architecture and Organization (CSE,IT and Common with 5 th Sem. EL,EL,IC)	3	1	-	4	50	100	-	150	3
7	CSE-212E	Data Base Management Systems Lab. (CSE,IT)	-	-	3	3	50	-	50	100	3
8	IT-206-E	C++ Programming Lab. (CSE,IT)	-	-	2	2	25	-	25	50	3
9	CSE-214 E	Internet Lab. (CSE,IT)	-	-	2	2	25	-	25	50	3
10	GPCSE-202 E	General Proficiency	-	-	-	-	50	-	-	50	
TOTAL			18	6	7	31	450	600	100	1150	

Note:

1. Students will be allowed to use non-programmable scientific calculator. However, sharing of calculator will not be permitted in the examination.
2. The marks of class work as well practical examination in the subject CSE-212 E (Data Base Management Systems Lab.) has been increased from 25 each to 50 each. Thus the total marks for the subject shall be 100 in place of 50 from the session 2006-07.
3. The grand total of semester marks shall be 1150 in-place of 1050 marks.
4. Each student has to undergo practical training of 6 weeks during summer vacation and its evaluation shall be carried out in the V semester will be implemented from 2006-07.

M. D. UNIVERSITY, ROHTAK
Scheme of studies & Examination
Bachelor of Engineering (Computer Science & Engineering)
SEMESTER V
Modified 'E' Scheme effective from 2007-08

Sl. No.	Course No.	Subject	Teaching Schedule				Examination Schedule (Marks)				Duration of Exam (Hours)
			L	T	P	Total	Marks of Class work	Theory	Practical	Total	
1	CSE-301 E	Principles of Operating System (CSE,IT)	3	1	-	4	50	100	-	150	3
2	EE-309-E	Microprocessors and Interfacing (EL,CSE,IT,EI, IC, EEE, AEI)	3	1	-	4	50	100	-	150	3
3	CSE-303 E	Computer Graphics (CSE,IT)	3	1	-	4	50	100	-	150	3
4	CSE-305 E	Analysis & Design of Algorithms	3	1		4	50	100	-	150	3
5	CSE 307 E	Web Development (Common with IT – VI Sem)	3	1	-	4	50	100	-	150	3
6	IT-204-E	Multimedia Technologies (Common with IT- IV-Sem)	3	-	-	3	50	100	-	150	3
7	CSE-309 E	Computer Graphics Lab. (CSE,IT)	-	-	3	3	50	-	50	100	3
8	CSE-311 E	Web Development & Core JAVA Lab. (Common with 6 th Sem.-IT)	-	-	2	2	25	-	25	50	3
9	IT-208-E	Multimedia Tech. Lab (Common with IT-IV Sem)	-	-	2	2	25	-	25	50	3
10	EE-329-E	Microprocessors and Interfacing Lab. (EL,CSE,IT,EI, IC, EEE, AEI)	-	-	2	2	25	-	25	50	3
11.	CSE-313 E	O.S. Lab. (CSE, IT)	-	-	2	2	25	-	25	50	-
12	CSE-315 E	Practical Training-I	-	-	2	2	-	-	-	-	-
		TOTAL	18	5	13	36	450	600	150	1200	

Note:

- 1) Students will be allowed to use non-programmable scientific calculator. However, sharing of calculator will not be permitted in the examination.
- 2) The marks of class work as well practical examination in the subject CSE-311 E (Web Development & Core Java Lab.) has been increased from 25 each to 50 each. Thus the total marks for the subjects shall be 100 in place of 50 from the session 2007-08.
- 3) Assessment of Practical Training-I, undergone at the end of IV semester, will be based on seminar, viva-voce, report and certificate of practical training obtained by the student from the industry. According to performance letter grades A, B, C, F are to be awarded. A student who is awarded 'F' grade is required to repeat Practical Training.
- 4) The grand total of semester marks shall be 1200 in place of 1150 marks.
- 5) The course number of subject of O.S. Lab. has been changed from CSE-308-E to CSE-313-E and will be implemented w.e.f. 2007-08.

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SEMESTER VI
Modified 'E' Scheme effective from 2007-08

Sl. No.	Course No.	Subject	Teaching Schedule				Examination Schedule (Marks)				Duration of Exam (Hours)
			L	T	P	Total	Marks of Class work	Theory	Practical	Total	
1	CSE-302 E	Principles of Software Engineering (CSE,IT)	3	1	-	4	50	100	-	150	3
2	CSE-304 E	Intelligent Systems (CSE,IT)	3	1	-	4	50	100	-	150	3
3	IT-305 E	Computer Networks (CSE, EL & Common with 5 th Sem. – IT, AEI)	3	1	-	4	50	100	-	150	3
4	IT-303 E	Systems Programming & System Administration (Common with 5 th Sem. – IT)	3	1		4	50	100	-	150	3
5	EE-402-E	Wireless Communication (CSE, IT & Common with 8 th Sem. EL)	3	1	-	4	50	100	-	150	3
6	EE-310-E	Digital System Design (EL,EE,CSE,EI, IC, AEI)	3	1	-	4	50	100	-	150	3
7	CSE-306 E	Intelligent Systems Lab. (CSE,IT)	-	-	3	3	25	-	25	50	3
8	EE-330-E	Digital System Design Lab. (EL,EI, IC,CSE, AEI)	-	-	3	3	25	-	25	50	3
9	GPCSE-302E	General Proficiency	-	-	-	-	50	-	-	50	3
		TOTAL	18	6	6	30	400	600	50	1050	-

Note:

1. Each student has to undergone practical training of 6 weeks during summer vacation and its evaluation shall be carried out in the VII semester.
2. Students will be allowed to use non-programmable scientific calculator. However, sharing of calculator will not be permitted in the examination.
3. The practical hours for the subjects CSE-306 E (Intelligent System Lab.) and EE-330 E (Digital System Design Lab) have been increased from 2 hours to 3 hours w.e.f. this session 2007-08.
4. O.S. lab. is deleted w.e.f. the session 2007-08. Thus the grand total marks of the semester shall be 1050 in place of 1200.

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Scheme of studies / Examination
SEMESTER VII
Modified 'E' Scheme effective from 2006-07

Sl. No.	Course No.	Subject	Teaching Schedule				Examination Schedule (Marks)				Duration of Exam (Hours)
			L	T	P	Total	Marks of Class work	Theory	Practical	Total	
1	CSE-401 E	Advanced Computer Architecture	3	1	-	4	50	100	-	150	3
2	CSE-403 E	Software Project Management (CSE,IT)	3	1	-	4	50	100	-	150	3
3	CSE-405 E	Compiler Design	3	1	-	4	50	100	-	150	3
4		OPEN ELECTIVES-1*	4	-	-	4	50	100	-	150	3
5	CSE-407E	Neural Networks	3	1	-	4	50	100	-	150	3
6	CSE-411-E	Compiler Design Lab.	-	-	3	3	25	-	50	75	3
7	CSE-409-E	Visual Programming Lab. (CSE, IT)	-	-	3	3	25	-	50	75	3
8	CSE-413 E	PROJECT	-	-	4	4	50	-	-	50	3
9	CSE-415 E	Mini Project	-	-	2	2	-	-	-	-	-
		TOTAL	16	4	12	32	350	500	100	950	

List of Open Electives

1	HUM-451-E	Language Skills for Engineers	8	CSE-451-E	Artificial Intelligence & Expert Systems
2	HUM-453-E	Human Resource Management	9	CSE-303-E	Computer Graphics
3	HUM-457-E	Business Communication	10	IC-455-E	Intelligent Instrumentation for Engineers
4	HUM-455-E	Entrepreneurship	11	IC-403-E	Embedded Systems
5	PHY-451-E	Nano technology	12	CH-453-E	Pollution & Control
6	PHY-453-E	Laser Technology	13	IT-471-E	Management Information System
7	ME-451-E	Mechatronics Systems	14	IT-204-E	Multimedia Technologies

Note:

1. Students will be allowed to use non-programmable scientific calculator. However, sharing of calculator will not be permitted in the examination.
2. *Student will be permitted to opt for any one elective run by the other departments. However, the departments will offer only those electives for which they have expertise. The choice of the students for any elective shall not be a binding for the department to offer, if the department does not have expertise.
3. Assessment of Mini Project, carried out at the end of VI semester, will be based on seminar, viva-voce and project report of the student from the industry. According to performance, letter grades A, B, C, F are to be awarded. A student who is awarded 'F' grade is required to repeat Practical Training.
4. Project load will be treated as 2 hours per week for Project Coordinator and 1 hour for each participating teacher. Project will commence in VII semester where the students will identify the Project problem, complete the design/procure the material/start the fabrication/complete the survey etc., depending upon the nature of the problem. Project will continue in VIII semester.

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SEMESTER VIII
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Sl. No.	Course No.	Subject	Teaching Schedule				Examination Schedule (Marks)				Duration of Exam (Hrs)
			L	T	P	Total	Marks of Class work	Theory	Practical	Total	
1	CSE-402 E	DISTRIBUTED OPERATING SYSTEM (CSE,IT)	3	1	-	4	50	100	-	150	3
2	CSE-404-E	ADVANCE JAVA (CSE, IT)	3	1	-	4	50	100	-	150	3
3		DEPT. ELECTIVES I	4	-	-	4	50	100	-	150	3
4		DEPT. ELECTIVES II	4	-	-	4	50	100	-	150	3
5	CSE-406-E	ADVANCE JAVA LAB. (CSE, IT)	-	-	3	3	50	-	50	100	3
6	CSE-408 E	INDEPENDENT STUDY SEMINAR	-	-	4	4	50	-	-	50	
7	CSE-413 E	PROJECT	-	-	8	8	50	-	100	150	3
8	GFCSE-402 E*	GENERAL FITNESS FOR THE PROFESSION	-	-	-	-	50	-	100	150	
		TOTAL	14	2	15	31	400	400	250	1050	

DEPT. ELECTIVES-I

- IT- 464 E** **Network Security & Management**
CSE-432 E **Digital Image Processing**
CSE-434 E **Advanced Database Management Systems**

DEPT. ELECTIVES-II

- CSE-442 E** **Human Computer Interaction**
CSE-444 E **Fuzzy Logic**
CSE-446 E **Natural Language Processing**
CSE- 448 E **Object Oriented Software Engineering**

Note:

- 1) Project load will be treated as 2 hrs. per week for the project coordinator and 1 hour for each participating teacher. Project involving design, fabrication, testing, computer simulation, case studies etc., which has been commenced by students in VII semester will be completed in VIII semester.
- 2) For the subject CSE-408 E, a student will select a topic from emerging areas of Computer Sc. & Engineering and study it thoroughly and independently. Later he will give a seminar talk on the topic.
- 3) A team consisting of Principal/Director, HOD of concerned department and external examiner appointed by University shall carry out the evaluation of the student for his/her General Fitness for the Profession.
- 4) Students will be allowed to use the non-programmable scientific calculator. However, sharing of calculator will not be permitted in the examination
- 5) *The subject GFCSE-410-E (General Fitness for the Profession) code has been changed to GFCSE-402-E and will be effective from 2006-07.