

## M.E CONSTRUCTION ENGINEERING AND MANAGEMENT

(THREE YEAR PART TIME)

REGULATION 2008

### SEMESTER – I

SUB.CODE	SUBJECT	L	T	P	C
<b>Theory</b>					
QCM 101	Engineering Statistics and Research Methodologies	3	1	0	4
QCM 102	Construction Equipment	3	0	0	3
QCM 103	Modern Construction Materials	3	0	0	3
QCM 104*	Elective – I	3	0	0	3
		12	1	0	13

**Total Hours: 13**

**Total Credits: 13**

### SEMESTER – II

SUB.CODE	SUBJECT	L	T	P	C
<b>Theory</b>					
QCM 201	Project Formulation and Appraisal	3	0	0	3
QCM 202	GIS for Construction Management Applications	3	0	0	3
QCM 203	Quality Control and Assurance in Construction	3	0	0	3
QCM 204*	Elective II	3	0	0	3
		12	0	0	12

**Total Hours: 12**

**Total Credits: 12**

### SEMESTER – III

SUB.CODE	SUBJECT	L	T	P	C
<b>Theory</b>					
QCM 301	Advanced Construction Techniques	3	0	0	3
QCM 302	Computer Applications in Construction Engineering and Planning	3	0	0	3
QCM 303	Construction Planning, Scheduling and Control	3	0	0	3
QCM 304*	Elective III	3	0	0	3
		12	1	0	12

**Total Hours: 13**

**Total Credits: 12**

\* Denotes A, B, C and D

**SEMESTER – IV**

QCM 401	Contract Laws and Regulations	3	0	0	3
QCM 402	Advanced Concrete Technology	3	0	0	3
QCM 403*	Elective IV	3	0	0	3
<b>Practical</b>					
QCM 404	Computer Aided Planning and Scheduling Lab	0	0	3	2
		9	0	3	11

**Total Hours: 12**

**Total Credits: 11**

**SEMESTER – V**

SUB.CODE	SUBJECT	L	T	P	C
<b>Theory</b>					
QCM 301	Project Work (Phase I)	0	0	18	9

**Total Hours: 17**

**Total Credits: 9**

**SEMESTER – VI**

SUB.CODE	SUBJECT	L	T	P	C
<b>Practical</b>					
QCM 401	Project Work (Phase II)	0	0	35	18

**Total Hours: 35**

**Total Credits: 18**

**Total Credits for the Course: 75**

L - Lecture    T – Tutorial    P – Practical            C - Credit

## List of Electives

### Elective I

QCM104A	Maintenance and Rehabilitation of Structures	3	0	0	3
QCM104B	Building Acoustics	3	0	0	3
QCM104C	Town Planning	3	0	0	3
QCM104D	Optimization Techniques in Construction	3	0	0	3

### Elective II

SUB. CODE	SUBJECT	L	T	P	C
QCM204A	Resource Management and Control in Construction	3	0	0	3
QCM204B	System Integration in Construction	3	0	0	3
QCM204C	Energy Conservation Techniques in Building Construction	3	0	0	3
QCM204D	Building Services	3	0	0	3

### Elective III

QCM304A	Construction Project Management	3	0	0	3
QCM304B	Safety in Construction Engineering	3	0	0	3
QCM304C	Smart Materials and Smart Construction	3	0	0	3
QCM304D	Services in building Complex	3	0	0	3

### Elective IV

QCM403A	Human Resource Management in Construction	3	0	0	3
QCM403B	Business Economics and Finance Management	3	0	0	3
QCM403C	Shoring, Scaffolding and Formwork	3	0	0	3
QCM403D	Building Bye Laws	3	0	0	3