

FIRST YEAR ENGINEERING: COMMON TO ALL BRANCHES
SCHEME OF INSTRUCTION AND EXAMINATION
(RC 2016-17)

SEMESTER -I

Subject Code	Name of the Subject	Scheme of Instruction Hrs/Week			Scheme of Examination						
		L	T	P#	Th Duration (Hrs)	Marks					
						Th	S	TW	P	O	Total
FE 1.1	Engineering Mathematics -I	4	--	--	3	100	25	--	--	--	125
FE 1.2	Applied Sciences- (Physics)/ (Chemistry)	3	--	2	3	100	25	25	--	--	150
FE 1.3	Engineering Mechanics	3	--	2	3	100	25	25	--	--	150
FE 1.4	Fundamentals of Electrical Engineering	3	--	2	3	100	25	--	--	--	125
FE 1.5	Fundamentals of Computer Engineering	3	--	2	3	100	25	--	--	--	125
FE 1.6	Technical English	3	--	--	3	100	25	--	--	--	125
FE 1.7	Workshop Practice-I*	--	--	4	--	--	--	50	--	--	50
TOTAL		19	--	12	--	600	150	100	--	--	850

***Term Work in Workshop Practice - I is a Separate Head of Passing**

A candidate is considered to have successfully fulfilled the requirement of a semester, provided he/ she submits to the department a certified journal reporting the experiments conducted during the semester.

FIRST YEAR ENGINEERING: COMMON TO ALL BRANCHES
SCHEME OF INSTRUCTION AND EXAMINATION
(RC 2016-17)

SEMESTER -II

Subject Code	Name of the Subject	Scheme of Instruction Hrs/Week			Scheme of Examination						
		L	T	P#	Th Duration (Hrs)	Marks					
						Th	S	TW	P	O	Total
FE 2.1	Engineering Mathematics -II	4	--	--	3	100	25	--	--	--	125
FE 2.2	Applied Sciences-(Physics) / (Chemistry)	3	--	2	3	100	25	25	--	--	150
FE 2.3	Programming Languages	3	--	2	3	100	25		--	--	125
FE 2.4	Fundamentals of Electronics and Tele-Communication Engineering	3	--	2	3	100	25	--	--	--	125
FE 2.5	Environmental Sciences and Social sciences	3	--	--	3	100	25	--	--	--	125
FE 2.6	Engineering Graphics	2	--	4	4	100	25	25	--	--	150
FE 2.7	Workshop Practice-II*	--	--	4	--	--	--	50	--	--	50
TOTAL		18	--	14	--	600	150	100	--	--	850

***Term Work in Workshop Practice - II is a Separate Head of Passing**

A candidate is considered to have successfully fulfilled the requirement of a semester, provided he/ she submits to the department a certified journal reporting the experiments conducted during the semester.

SECOND YEAR ENGINEERING: CIVIL ENGINEERING
SCHEME OF INSTRUCTION AND EXAMINATION
(RC 2016-17)

SEMESTER -III

Subject Code	Name of the Subject	Scheme of Instruction Hrs/Week			Scheme of Examination						
		L	T	P#	Th Duration (Hrs)	Marks					
						Th	S	TW	P	O	Total
CE 3.1	Concrete Technology	3	--	2	3	100	25	--	25	--	150
CE 3.2	Mechanics of Materials	3	1	2	3	100	25	--	25	--	150
CE 3.3	Fluid Mechanics-I	3	1	2	3	100	25	--	--	25	150
CE 3.4	Building Materials and Construction	4	--	2	3	100	25	25	--	--	150
CE 3.5	Engineering Mathematics -III	3	1	--	3	100	25	--	--	--	125
CE 3.6	Managerial Economics	3	--	--	3	100	25	--	--	--	125
TOTAL		19	3	8	--	600	150	25	50	25	850

A candidate is considered to have successfully fulfilled the requirement of a semester, provided he/ she submits to the department a certified journal reporting the experiments conducted during the semester.

SECOND YEAR ENGINEERING: CIVIL ENGINEERING
SCHEME OF INSTRUCTION AND EXAMINATION
(RC 2016-17)

SEMESTER -IV

Subject Code	Name of the Subject	Scheme of Instruction Hrs/Week			Scheme of Examination						
		L	T	P#	Th Duration (Hrs)	Marks					
						Th	S	TW	P	O	Total
CE 4.1	Surveying - I	3	--	2	3	100	25	--	25	--	150
CE 4.2	Fluid Mechanics-II	3	--	2	3	100	25	--	--	--	125
CE 4.3	Building Drawing - I	3	--	3	4	100	25	25	--	--	150
CE 4.4	Structural Analysis - I	4	--	--	3	100	25	--	--	25	150
CE 4.5	Numerical Techniques in Computer Programming	3	--	2	3	100	25	--	--	--	125
CE 4.6	Engineering Geology	3	--	2	3	100	25	--	25	--	150
TOTAL		19	--	11	--	600	150	25	50	25	850

A candidate is considered to have successfully fulfilled the requirement of a semester, provided he/ she submits to the department a certified journal reporting the experiments conducted during the semester.

THIRD YEAR ENGINEERING: CIVIL ENGINEERING
SCHEME OF INSTRUCTION AND EXAMINATION
(RC 2016-17)

SEMESTER V

Subject Code	Name of the Subject	Scheme of Instruction Hrs/Week			Scheme of Examination						
		L	T	P#	Th Duration (Hrs)	Marks					
						Th	S	TW	P	O	Total
CE 5.1	Structural Analysis- II	4	1	--	3	100	25	--	--	25	150
CE 5.2	Design of Concrete Structures -I	4	1	--	3	100	25	--	--	--	125
CE 5.3	Design of Steel Structures- I	4	--	--	3	100	25	--	--	--	125
CE 5.4	Geotechnical Engineering- I	3	--	2	3	100	25	--	25	--	150
CE 5.5	Transportation Engineering- I	3	--	2	3	100	25	--	25	--	150
CE 5.6	Building Drawing- II	3	--	3	4	100	25	25	--	--	150
TOTAL		21	2	7	--	600	150	25	50	25	850

A candidate is considered to have successfully fulfilled the requirement of a semester, provided he/ she submits to the department a certified journal reporting the experiments conducted during the semester.

THIRD YEAR ENGINEERING: CIVIL ENGINEERING
SCHEME OF INSTRUCTION AND EXAMINATION
(RC 2016-17)

SEMESTER VI

Subject Code	Name of the Subject	Scheme of Instruction Hrs/Week			Scheme of Examination						
		L	T	P#	Th Duration (Hrs)	Marks					
						Th	S	TW	P	O	Total
CE 6.1	Design of Concrete Structures- II	4	1	--	3	100	25	--	--	25	150
CE 6.2	Design of Steel Structures- II	3	--	2	3	100	25	25	--	--	150
CE 6.3	Geotechnical Engineering- II	4	1	--	3	100	25	--	--	--	125
CE 6.4	Transportation Engineering- II	3	1	--	3	100	25	--	--	--	125
CE 6.5	Environmental Engineering- I	3	1	2	3	100	25	--	25	--	150
CE 6.6	Surveying- II	3	--	2	3	100	25	--	25	--	150
TOTAL		20	4	6	--	600	150	25	50	25	850

A candidate is considered to have successfully fulfilled the requirement of a semester, provided he/ she submits to the department a certified journal reporting the experiments conducted during the semester.

FINAL YEAR ENGINEERING: CIVIL ENGINEERING
SCHEME OF INSTRUCTION AND EXAMINATION
(RC 2016-17)

SEMESTER VII

Subject Code	Name of the Subject	Scheme of Instruction Hrs/Week			Scheme of Examination						
		L	T	P#	Th Duration (Hrs)	Marks					
						Th	S	TW	P	O	Total
CE 7.1	Design of Concrete Structures- III	3	--	2	3	100	25	--	--	--	125
CE 7.2	Environmental Engineering- II	3	1	2	3	100	25	--	25	--	150
CE 7.3	Estimation, Costing and Valuation	3	--	2	3	100	25	--	--	--	125
CE 7.4	Elective- I	3	--	2	3	100	25	--	--	25	150
CE 7.5	Elective- II	3	--	2	3	100	25	--	--	25	150
CE 7.6	Project	--	--	4	--	--	--	--	--	25	25
TOTAL		15	1	14	--	500	125	--	25	75	725

A candidate is considered to have successfully fulfilled the requirement of a semester, provided he/ she submits to the department a certified journal reporting the experiments conducted during the semester.

List of Electives

Elective -I		Elective- II	
CE 7.4.1	Environmental Pollution and Control	CE 7.5.1	Applied Engineering Geology
CE 7.4.2	Finite Element Method	CE 7.5.2	Disaster Management
CE 7.4.3	Occupational Safety and Health Acts	CE 7.5.3	Traffic Engineering
CE 7.4.4	Advances in Concrete Technology	CE 7.5.4	Reinforced Earth Structures
CE 7.4.5	Structural Dynamics	CE 7.5.5	Structural Design of Foundations

FINAL YEAR ENGINEERING: CIVIL ENGINEERING
SCHEME OF INSTRUCTION AND EXAMINATION
(RC 2016-17)

SEMESTER VIII

Subject Code	Name of the Subject	Scheme of Instruction Hrs/Week			Scheme of Examination						
		L	T	P#	Th Duration (Hrs)	Marks					Total
						Th	S	TW	P	O	
CE 8.1	Irrigation and Water Resources Engineering	4	1	--	3	100	25	--	--	--	125
CE 8.2	Construction Machinery and Project Management	4	1	2	3	100	25	--	25	--	150
CE 8.3	Elective- III	3	--	2	3	100	25	--	--	25	150
CE 8.4	Elective- IV	3	--	2	3	100	25	--	--	25	150
CE 8.5	Project*	--	--	8	--	--	--	75	--	75	150
TOTAL		14	2	14	--	400	100	75	25	125	725

* Term Work in Project is a Separate Head of Passing

A candidate is considered to have successfully fulfilled the requirement of a semester, provided he/ she submits to the department a certified journal reporting the experiments conducted during the semester.

List of Electives

Elective- III		Elective- IV	
CE 8.3.1	Industrial and Municipal Waste Management	CE 8.4.1	Advanced Pre-stressed Concrete
CE 8.3.2	Advanced Structural Analysis	CE 8.4.2	Green Building Design
CE 8.3.3	Ground Improvement Techniques	CE 8.4.3	Repairs and Rehabilitations of Structures
CE 8.3.4	Design of Earthquake Resistance Structures	CE 8.4.4	Pavement Design
CE 8.3.5	Advanced Materials and Construction Techniques	CE 8.4.5	Design of Reinforced Concrete Bridges