

VELS UNIVERSITY					
SCHOOL OF ENGINEERING					
DEPARTMENT OF CIVIL ENGINEERING					
Sl.No.	TITLE OF THE PAPER	EXAM HOURS	INTERNAL MARK	UNIVERSITY EXAM	CREDI T
FIRST SEMESTER					
1	Technical English -1	3	25	75	4
2	Mathematics -1	3	25	75	4
3	Engineering Physics-1	3	25	75	3
4	Engineering Chemistry-1	3	25	75	3
5	Engineering Graphics	3	25	75	4
6	Fundamentals of Computing and Prog.	3	25	75	3
7	Computer Practice Laboratory	3	25	75	2
8	Engineering Practices Laboratory	3	25	75	2
TOTAL NO OF CREDITS					25

SECOND SEMESTER					
1	Technical English -II	3	25	75	4
2	Mathematics -II	3	25	75	4
3	Engineering Physics-II	3	25	75	3
4	Engineering Chemistry-II	3	25	75	3
5	Basic Electrical and Electronics Engg.	3	25	75	4
6	Engineering Mechanics	3	25	75	5
7	Physics & Chemistry Laboratory	3	25	75	2
8	CAD/CAM Laboratory	3	25	75	2
TOTAL NO OF CREDITS					27

THIRD SEMESTER					
1	Transforms and Partial Differential Equations	3	25	75	4
2	Environmental Science and Engineering	3	25	75	4
3	Applied Geology	3	25	75	4
4	Mechanics of Solids	3	25	75	3
5	Mechanics of Fluids	3	25	75	4
6	Construction Techniques, Equipments and Practice	3	25	75	4
7	Surveying -I	3	25	75	2
8	Survey Practical -I	3	25	75	2
9	Computer Aided Building Drawing	3	25	75	--
TOTAL NO OF CREDITS					27

FOURTH SEMESTER					
1	Numerical Methods	3	25	75	4
2	Soil Mechanics	3	25	75	4
3	Strength of Materials	3	25	75	4
4	Applied Hydraulic Engineering	3	25	75	3
5	Surveying -II	3	25	75	4
6	Highway Engineering	3	25	75	4
7	Strength of Materials Lab	3	25	75	2
8	Hydraulic Engineering Laboratory	3	25	75	2
9	Survey Practical - II	3	25	75	--
TOTAL NO OF CREDITS					27

FIFTH SEMESTER					
1	Professional Ethics and Human Values	3	25	75	4
2	Irrigation Engineering	3	25	75	3
3	Structural Analysis- Classical Methods	3	25	75	4
4	Railways ,Docks,Harbours and Airports	3	25	75	4
5	Environmental Engineering	3	25	75	3
6	Foundation Engineering	3	25	75	3
7	Environmental Engineering Laboratory	3	25	75	3
8	Soil Engineering Laboratory	3	25	75	3
TOTAL NO OF CREDITS					27

SIXTH SEMESTER					
1	Principles of Management	3	25	75	4
2	Structural Analysis-Modern Methods	3	25	75	3
3	Design of Steel Structures	3	25	75	4
4	Construction Planning and Scheduling	3	25	75	4
5	Design of RC Elements	3	25	75	3
6	Elective -I	3	25	75	3
7	Irrigation Engineering Drawing	3	25	75	2
8	Environmental Engineering Drawing	3	25	75	2
9	Survey Camp	3	25	75	--
10	Presentation Skills and Technical Seminars	3	25	75	3
TOTAL NO OF CREDITS					28

SEVENTH SEMESTER					
1	Total Quality Management	3	25	75	3
2	Design of RC and Reinforced Brick Masonry structures	3	25	75	3
3	Estimation and Quantity Surveying	3	25	75	4
4	Basics of Design and Aseismic design	3	25	75	3
5	Building Services	3	25	75	4
6	Elective -II	3	25	75	4
7	Computer Aided Design and Drafting Laboratory	3	25	75	2
8	Design Project	3	25	75	2
TOTAL NO OF CREDITS					25

EIGHTH SEMESTER					
1	Engineering Economics and Cost Analysis	3	25	75	4
2	Elective -IV	3	25	75	4
3	Elective -V	3	25	75	4
4	Project Work	3	25	75	13
TOTAL NO OF CREDITS					25