

NIILM UNIVERSITY, KAITHAL

SYLLABI

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FOUR-YEAR BECHELOR DEGREE COURSE OF ENGINEERING AND TECHNOLOGY



CIVIL ENGINEERING

2014

Scheme of Examination

Marks

Papers	Total Marks		Duration(Hrs.)	
	Written	Internal Assessment		
Semester I				
Physics – I	100	50	150	3
Mathematics –I	100	50	150	3

Manufacturing Process	100	50	150	3
Fundamentals Of Computer & Programming In C	100	50	150	3
Elements Of Electronics Engg.	100	50	150	3
Communication Skills In English	100	50	150	3
Elements Of Electronics Engg. Lab	25	25	50	3
Physics -I Lab	25	25	50	3
Fudamental Of Computer And Programming In C Lab	25	25	50	3
Workshop	25	25	50	3

Semester II

Physics – II	100	50	150	3
Mathematics –II	100	50	150	3
Chemistry	100	50	150	3
Introduction To Biotechnology	100	50	150	3
Engg. Graphics And Drawing	100	50	150	3
Electrical Technology	100	50	150	3
Physics -II Lab	25	25	50	3
Electrical Technology Lab	25	25	50	3
Chemistry Lab	25	25	50	3

Semester III

Semester III				3
Fundamentals Of Management/	100	50	150	
Mathematics-III				
Structural Analysis-I	100	50	150	3
Building Const. Material & Drg.	100	50	150	3
Fluid Mechanics-I	100	50	150	3
Surveying-I	100	50	150	3
Soil Mechanics	100	50	150	3
Structural Analysis-I Lab	25	50	75	3
Fluid Mechanics-I Lab	50	50	100	3
Surveying-I Lab	25	50	75	3

Semester IV				
Mathematics-III/ Fom	100	50	150	3
Structural Analysis-II	100	50	150	3
Design Of Steel Structure-I.	100	50	150	3
Fluid Mechanics-II	100	50	150	3
Surveying-II	100	50	150	3
Engineering Geology	100	50	150	3
Fluid Mechanics-II Lab	25	50	75	3
Surveying-II Lab	50	50	100	3
Structure Mechanics-II Lab	25	50	75	3

Semester V

Structure Analysis-III.	100	50	150	3
Design Of Concrete Structures-I	100	50	150	3
Basics Of Industrial Sociology, Economics & Management	100	50	150	3
Hydrology	100	50	150	3
Geotechnology-I	100	50	150	3
Project Planning & Management	100	50	150	3
Structural Mechanics-III Lab	25	50	75	3
Soil Engineering Lab	25	50	75	3
Geotechnology –I	25	50	75	3
Survey Camp		100	100	

Semester VI

Design Of Steel Structures-II	100	50	150	3
Irrigation Engg.-I	100	50	150	3
Water Resource And System Engineering	100	50	150	3
Geotechnology-II	100	50	150	3
Transport Engg. I	100	50	150	3
Water Supply And Treatment	100	50	150	3
Transportation Engg.-I Lab	25	50	75	3
Environment Engg.-I Lab	25	50	75	3
Computer Application Lab	50	50	100	3

Semester VII

Design of Concrete Structures-II	100		100	3
Irrigation Engg.-II	100	50	150	3
Transportation Engg-II	100	50	150	3
Sewrage And Sewer Treatment	100	50	150	3
Departmental Elective-I	100	25	125	3
Departmental Elective-II	100	25	125	3
Concrete Structures-II	25	50	75	3
Drawing				
Irrigation Engg Design & Drawing	25	50	75	3
Minor Project	100	50	150	3
Summer Training Report/Viva		75	75	
Total	1175			

Semester VIII

Bridge Engg.	100	50	150	3 hrs.
Railway & Airport Engg.	100	50	150	3 hrs.
Industrial Waste Water Treatment	100	25	125	3 hrs.
Department Elective-I	100	25	125	3 hrs.
Department Elective-II	100	50	150	3 hrs.
Estimation & Accounts	50	25	75	3 hrs.
Major Project	100	50	150	3 hrs.
Comprehensive viva-voce	-	75	75	3 hrs.
General Fitness & Professional Aptitude	75	-	75	3 hrs.

Seminar	-	25	25	-
Transportation Lab-II	25	25	50	3 hrs.
Environment Engg.-II	25	25	50	3 hrs.

DEPARTMENTAL ELECTIVE , 7th SEMESTER

- (i) Advanced Traffic Engg.
- (ii) Concrete Technology
- (iii) Elements Of Earthquake Engg
- (iv) Hydro Electric Power Development

DEPARTMENTAL ELECTIVE , 8th SEMESTER

- (i) Environmental Impact Assessment
- (ii) River Mechanics & Flood Control
- (iii) Ground Water Engg.
- (iv) GYOSYNTHETICS ENGINEERING