



**FEDERAL BOARD OF INTERMEDIATE  
AND SECONDARY EDUCATION  
H-8/4, ISLAMABAD**



**SCHEME OF STUDIES OF DIPLOMA OF ASSOCIATE ENGINEERING  
(CIVIL TECHNOLOGY-1st YEAR)**

<b>S. No</b>	<b>Subject Name</b>	<b>Theory</b>	<b>Practical</b>	<b>Total Marks</b>
1.	Islamiyat / Pakistan Studies	50	--	50
2.	English	100	--	100
3.	Applied Mathematics-I A	75	--	75
4.	Applied Mathematics-I B	75	--	75
5.	Applied Chemistry	50	50	100
6.	Applied Physics	50	50	100
7.	Basic Surveying	100	100	200
8.	Engineering Materials & Construction	100	50	150
9.	Basic Engineering Drawing`	50	100	150
10.	Workshop Practice	50	50	100
11.	Computer Applications	--	50	50
12.	Mutal e Quran Hakim	50	--	50
	<b>Total:</b>	<b>750</b>	<b>450</b>	<b>1200</b>



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**SCHEME OF STUDIES OF DIPLOMA OF ASSOCIATE ENGINEERING  
(CIVIL TECHNOLOGY-2nd YEAR)**

<b>S.No</b>	<b>Subject Name</b>	<b>Theory</b>	<b>Practical</b>	<b>Total Marks</b>
1.	Islamiyat & Pakistan Studies	50	--	50
2.	Applied Mathematics-II	100	--	100
3.	Communication Skills and Report Writing	50	50	100
4.	Public Health Technology	100	50	150
5.	Advanced Surveying	100	100	200
6.	Building Construction	100	50	150
7.	Civil Engineering Drawing and Auto CAD	50	100	150
8.	Mechanics of Structures	100	50	150
9.	Quantity Surveying	50	50	100
	<b>Total:</b>	<b>700</b>	<b>450</b>	<b>1150</b>



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**SCHEME OF STUDIES OF DIPLOMA OF ASSOCIATE ENGINEERING  
(CIVIL TECHNOLOGY-3rd YEAR)**

<b>S.No</b>	<b>Subject Name</b>	<b>Theory</b>	<b>Practical</b>	<b>Total Marks</b>
1.	Islamiyat & Pakistan Studies	50	--	50
2.	Project Management	100	--	100
3.	Advanced Quantity Surveying	50	100	150
4.	Environment Health and Safety	100	--	100
5.	Hydraulics and Irrigation A	75	--	75
6.	Hydraulics and Irrigation B	75	--	75
7.	Hydraulics and Irrigation	--	50	50
8.	Transportation Engineering	100	50	150
9.	Concrete Technology and RCC Design	100	50	150
10.	Soil Mechanics & Bridge Engineering	100	50	150
11.	Civil Engineering Project Civil		100	100
	<b>Total:</b>	<b>750</b>	<b>400</b>	<b>1150</b>