



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



**SCHEME OF STUDIES OF DIPLOMA OF ASSOCIATE ENGINEERING  
(AUTO DIESEL 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	150	--	150
4.	Applied Physics	50	50	100
5.	Computer Applications	50	50	100
6.	Auto Motive Electrics and Electronics	100	50	150
7.	I C Engines	100	50	150
8.	Hybrid Vehicle	100	--	100
9.	Engineering Drawing	50	100	150
10.	Machine Shop & Safety Practice	50	50	100
11.	Metal Shop, Welding Practice & Foundry	50	50	100
12.	Mutal e Quran Hakim	50	--	50
	<b>Total:</b>	<b>900</b>	<b>400</b>	<b>1300</b>



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**SCHEME OF STUDIES OF DIPLOMA OF ASSOCIATE ENGINEERING  
(AUTO DIESEL 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 Chemistry	50	50	100
3.	Applied Mathematics II	100	--	100
4.	Applied Mechanics	50	50	100
5.	Industrial Management and Economics	100	--	100
6.	Applied Thermodynamics	50	50	100
7.	Suspension, Steering and Brakes	100	50	150
8.	Workshop Practice-II	100	100	200
9.	Problems in I.C. Engines	100	50	150
10.	Meteorology	50	50	100
	<b>Total:</b>	<b>750</b>	<b>400</b>	<b>1150</b>