



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



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

S.No	Subject Name	Theory	Practical	Total Marks
1.	Islamiyat / Pakistan Studies	50	--	50
2.	English	100	--	100
3.	Applied Mathematics A	75	--	75
4.	Applied Mathematics B	75	--	75
5.	Applied Physics	50	50	100
6.	Applied Chemistry	50	50	100
7.	Electric: Essential + Network A	75	--	75
8.	Electric: Essential + Network B	75	--	75
9.	Electric: Essential + Network	--	50	50
10.	Electronics Devices & Circuits- I A	75	--	75
11.	Electronics Devices & Circuits- I B	75	--	75
12.	Electronics Devices & Circuits- I	--	50	50
13.	Electrical Drawing	--	50	50
14.	General Engg: Workshop	--	50	50
15.	Computer Applications	--	100	100
16.	Mutal e Quran Hakim	50	--	50
	Total:	750	400	1150



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

S.No	Subject Name	Theory	Practical	Total Marks
1.	Islamiyat / Pakistan Studies	50	--	50
2.	Applied Mathematics – II A	75	--	75
3.	Applied Mathematics –II B	75	--	75
4.	Computer Organizations and Basic Programming	100	100	200
5.	Electronics Devices & Circuits - II	100	50	150
6.	Motors and Power Supply	50	50	100
7.	Digital Electronics & MicroProcessor	100	50	150
8.	Measuring Instruments	100	50	150
9.	Controls and Automation	50	50	100
	Total:	700	350	1050



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

S. No	Subject Name	Theory	Practical	Total Marks
1.	Islamiyat / Pakistan Studies	50	--	50
2.	Industrial Manag: Human Relation	50	--	50
3.	Business Communication	50	-	50
4.	Computer Maintenance and Servicing	50	100	150
5.	Computer Peripherals and interfacing	100	50	150
6.	Data Communication and Computer Network	50	50	100
7.	Operating System and C-Language	100	100	200
8.	Computer Hardware	50	50	100
9.	Microprocessor Programming	50	50	100
	Total:	550	400	950