

## FIRST YEAR

### FIRST SEMESTER

Name of Subject	Credit Hours		Marks
	Theory	Practical	Th + Pr
Functional English	3	0	100+00
Applied Calculus	3	0	100+00
Introduction to Computers	2	1	50+50
Applied Physics	3	1	100+50
Islamic studies/Ethics	2	0	50+00
Introduction to Telecommunication	3	0	100+00
<b>Total Marks</b>	<b>16</b>	<b>2</b>	<b>500+100</b>

### SECOND SEMESTER

Name of Subject	Credit Hours		Marks
	Theory	Practical	Th + Pr
Linear Algebra and Analytical Geometry	3	0	100+00
Object Oriented Programming	3	1	100+50
Basic Electronics	3	1	100+50
Pakistan Studies	2	0	50+00
Communication Skills	2	1	50+50
<b>Total Marks</b>	<b>13</b>	<b>3</b>	<b>400+150</b>

## SECOND YEAR

### FIRST SEMESTER

Name of Subject	Credit Hours		Marks
	Theory	Practical	Th + Pr
Circuit Analysis	3	1	100+50
Digital logic Design	3	1	100+50
Amplifier & Oscillators	3	1	100+50
Differential Equations & Fourier Series	3	0	100+50
Technical Report Writing & Presentation skills	2	0	50+00
<b>Total Marks</b>	<b>14</b>	<b>3</b>	<b>450+150</b>

### SECOND SEMESTER

Name of Subject	Credit Hours		Marks
	Theory	Practical	Th + Pr
Linear Integrated Circuits	3	1	100+50
Electromagnetic Fields	3	0	100+00
Engineering Economics & Management	3	0	100+00
Signals & Systems	3	1	100+50
Complex Variables & Transforms	3	0	100+00
<b>Total Marks</b>	<b>15</b>	<b>2</b>	<b>500+100</b>

### THIRD YEAR

#### FIRST SEMESTER

Name of Subject	Credit Hours		Marks
	Theory	Practical	Th + Pr
Microprocessor & Microcontroller	3	1	100+50
Control Systems	3	1	100+50
Professional & Social Ethics	3	0	100+00
Digital Communication	3	1	100+50
Statistics and Probability	3	0	100+00
<b>Total Marks</b>	<b>15</b>	<b>3</b>	<b>500+150</b>

#### SECOND SEMESTER

Name of Subject	Credit Hours		Marks
	Theory	Practical	Th + Pr
Wave Propagation and antennas	3	1	100+50
Numerical Methods	3	0	100+00
Digital Signal Processing	3	1	100+50
Computer Communication & Networks	3	1	100+50
Communication System	3	0	100+00
<b>Total Marks</b>	<b>15</b>	<b>3</b>	<b>500+150</b>

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Name of Subject	Credit Hours		Marks
	Theory	Practical	Th + Pr
Satellite Communications	3	0	100+50
RF & Microwave Engineering	3	1	100+50
Mobile & Wireless Communication	3	1	100+50
Transmission & Switching Systems	3	0	100+50
Organizational behavior	3	0	100+00
Final Year Design Project-I	0	1	00+50
<b>Total</b>	<b>15</b>	<b>2</b>	<b>500+150</b>

#### SECOND SEMESTER

Name of Subject	Credit Hours		Marks
	Theory	Practical	Th + Pr
Next Generation Networks	3	1	100+50
Network Security	3	0	100+00
Laser & Fiber Optics	3	1	100+50
Entrepreneurship & Leadership	3	0	100+00
Final Year Design Project-II	0	3	00+150
<b>Total</b>	<b>12</b>	<b>5</b>	<b>400+250</b>