

Name of Course: XII Electronics Technology
Paper-I: Applied and Industrial Electronics (EA)
BLUE PRINT

Sr. No.	Unit	Knowledge			Understanding			Application			Total marks	Total marks with option
		Objects	Short Answer	Long Answer	Objects	Short Answer	Long Answer	Objects	Short Answer	Long Answer		
1	Opamp	1(2)	3(1)	4(1)	1(3)	3(2)	4(1)	1(2)	-	6(1)	20	30
2	Electronic Timer	1(2)	-	-	1(2)	3(2)	4(2)	-	-	6(1)	16	24
3	Opto Electronic Devices	1(1)	-	-	1(1)	3(1)	-	-	4(1)	6(1)	10	15
4	Motors	-	3(1)	-	1(2)	-	-	-	3(1)	4(1)	8	12
5	Modern Electronic machine	1(2)	-	-	-	-	4(1)	-	3(1)	6(1)	10	15
6	Remote Control System	1(1)	3(1)	-	1(1)	-	4(1)	-	3(1)	-	8	12
7	Solar System	-	-	3(1)	-	-	4(1)	1(1)	4(1)	-	8	12
	No of questions	08	03	02	09	05	06	03	05	05		
	Marks	08	09	07	09	15	24	03	17	28		
	Total:	24			48			48			80	120

** Figure in the brackets indicates number of question. Figure outside the brackets indicates marks each

Name of Course: XII Electronics Technology

Paper-II: Modern Instruments and Communication Systems (EB)

BLUE PRINT

Sr. No.	Unit	Knowledge			Understanding			Application			Total marks	Total marks with option
		Objects	Short Answer	Long Answer	Objects	Short Answer	Long Answer	Objects	Short Answer	Long Answer		
1	Transducers	1(2)	3(1)	3(1)	1(1)	3(1)	4(2)	1(1)	-	4(1)	17	25
2	Electronic Instruments	-	-	-	1(1)	3(1)	6(1)	1(1)	3(2)	4(2)	17	25
3	Electronic Communication	1(1)	1(2)	4(1)	1(1)	3(2)	6(1)	1(1)	-	4(1)	15	25
4	Communication devices	1(1)	1(1)	-	-	3(1)	-	1(1)	3(1)	-	06	09
5	TV receivers	1(2)	-	4(1)	1(1)	-	4(1)	1(1)	3(1)	6(1)	15	21
6	Consumer Electronic Appliances	1(1)	-	-	1(1)	-	4(1)	-	3(1)	6(1)	10	15
No of questions		07	04	03	05	05	06	05	05	06		
Marks		07	06	11	05	15	28	05	15	28		
Total:		24			48			48			80	120

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Figure in the brackets indicates number of question. Figure outside the brackets indicates marks each

Name of Course: XII Electronics Technology
Paper-III: Computer Hardware and Networking (EC)

BLUE PRINT

Sr. No.	Unit	Knowledge			Understanding			Application			Total marks	Total marks with option
		Objects	Short Answer	Long Answer	Objects	Short Answer	Long Answer	Objects	Short Answer	Long Answer		
1	Introduction to Microprocessor and Organization	1(1)	1(1)	3(1)	-	-	4(1)	-	3(1)	6(1)	12	18
2	Instruction Set and programming of 8085	-	-	4(1)	1(2)	3(1)	4(1)	1(2)	-	-	10	15
3	Microcontrollers	-	-	4(1)	-	-	4(1)	1(1)	3(1)	-	08	12
4	Networking Technology	-	-	-	1(2)	3(1)	4(1)	-	-	6(1)	10	15
5	Computer	1(1)	-	-	-	-	6(1)	1(4)	3(1)	4(1)	12	18
6	Operating Systems	1(1)	1(1)	3(1)	-	-	6(1)	-	-	4(1)	10	15
7	C language	1(1)	-	4(1)	1(1)	3(1)	-	-	3(2)	-	10	15
8	PLC	-	-	-	-	3(2)	-	1(2)	4(1)	-	08	12
No. of questions		04	02	05	05	05	06	09	06	04		
Marks		04	02	18	05	15	28	09	19	20		
Total:		24			48			48			80	120

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Figure in the brackets indicates number of question. Figure outside the brackets indicates marks each.

Name of Course: XII Electronics Technology
Paper-I Applied and Industrial Electronics (EA)

Time -3 Hrs.

Max Marks -80

A) Unitwise Distribution of Marks:

Chapter No.	Topic/Unit	Marks without option	Marks with option
1	Operational Amplifier	20	30
2	Electronic Timers	16	24
3	Optoelectronic Devices	10	15
4	Motors	08	12
5	Modern Electronic Machine	10	15
6	Remote Control	08	12
7	Solar systems	08	12
Total:		80	120

B) Objectwise Distribution of Marks:

Sr. No	Objective	Marks	Percentage	Marks with option
1	Knowledge	16	20	24
2	Understanding	32	40	48
3	Application	32	40	48
Total:		80	100	120

C) Questionwise Distribution of Marks:

Sr. No	Objective	Marks	Percentage	Marks with option
1	Objective	20	25%	20
2	Short Answer	24	30%	36
3	Long Answer	36	45%	64
Total		80	100%	120

Name of Course: XII Electronics Technology
Paper-II Modern Instruments and Communication Systems (EB)
Time -3 Hrs. **Max Marks -80**

A) Unitwise Distribution of Marks:

Chapter No.	Topic/Unit	Marks without option	Marks with option
1	Transducers	17	25
2	Electronic Instruments	17	25
3	Electronic Communication	15	25
4	Communication devices	06	09
5	TV receivers	15	21
6	Consumer Electronic Appliances	10	15
Total:		80	120

B) Objectwise Distribution of Marks:

Sr. No	Objective	Marks	Percentage	Marks with option
1	Knowledge	16	20	24
2	Understanding	32	40	48
3	Application	32	40	48
Total:		80	100	120

C) Questionwise Distribution of Marks:

Sr. No	Objective	Marks	Percentage	Marks with option
1	Objective	20	25%	20
2	Short Answer	24	30%	36
3	Long Answer	36	45%	64
Total:		80	100%	120

Name of Course: XII Electronics Technology
Paper-III Computer Hardware and Networking (EC)

Time -3 Hrs.

Max Marks -80

A) Unit wise Distribution of Marks:

Chapter No.	Topic/Unit	Marks without option	Marks with option
1	Introduction to Microprocessor and Organization of 8085	12	18
2	Instruction Set and programming of 8085	10	15
3	Microcontrollers	08	12
4	Networking Technology	10	15
5	Computer	12	18
6	Operating Systems	10	15
7	'C' Language	10	15
8	PLC	08	12
Total:		80	120

B) Objectwise Distribution of Marks:

Sr. No	Objective	Marks	Percentage	Marks with option
1	Knowledge	16	20	24
2	Understanding	32	40	48
3	Application	32	40	48
Total:		80	100	120

C) Questionwise Distribution of Marks:

Sr. No	Objective	Marks	Percentage	Marks with option
1	Objective	20	25%	20
2	Short Answer	24	30%	36
3	Long Answer	36	45%	64
Total:		80	100%	120

C) State the following sentences is true or false

[5 X 1=5]

- a)
- b)
- c)
- d)
- e)

D) Answer the following in one sentence only

[5 X 1=5]

- a)
- b)
- c)
- d)
- e)

Q.2: Attempt any FOUR of the following

[4 X 3=12]

- a)
- b)
- c)
- d)
- e)
- f)

Q.3 Attempt any FOUR of the following

[4 X 3=12]

- a)
- b)
- c)
- d)
- e)
- f)

Q.4 Attempt any THREE of the following

[3 X 4=12]

- a)
- b)
- c)
- d)
- e)

Q. 5 Attempt any THREE of the following

[3 X 4=12]

- a)
- b)
- c)
- d)
- e)

Q. 6 A) Attempt any ONE of the following

[6 X 1=06]

- a)
- b)

B) Attempt any ONE of the following

[6 X 1=06]

- a)
- b)
