

CBSE | DEPARTMENT OF SKILL EDUCATION

ELECTRONICS TECHNOLOGY (SUBJECT CODE 820)

CLASS XII (SESSION 2021-2022)
BLUE-PRINT FOR SAMPLE QUESTION PAPER FOR TERM - II

Max. Time Allowed: 1½ Hours (90 min)

Max. Marks: 30

PART A - EMPLOYABILITY SKILLS (05 MARKS):

UNIT NO.	NAME OF THE UNIT	NO. OF QUESTIONS - VSA (1 MARK EACH)	NO. OF QUESTIONS - SA (2 MARKS EACH)	NO. OF QUESTIONS - LA (4 MARKS EACH)	TOTAL NUMBER OF QUESTIONS
1	Unit 4 : Entrepreneurial Skills-IV	2	1	-	3
2	Unit 5 : Green Skills-IV	2	1	-	3
TOTAL QUESTIONS		4	2	-	06
NO. OF QUESTIONS TO BE ANSWERED		Any 3	Any 1	-	04
TOTAL MARKS		3 x 1 = 3 Marks	1 x 2 = 2 Marks	-	05 Marks

PART B - SUBJECT SPECIFIC SKILLS (25 MARKS):

UNIT NO.	NAME OF THE UNIT	NO. OF QUESTIONS - VSA (1 MARK EACH)	NO. OF QUESTIONS - SA - I (2 MARKS EACH)	NO. OF QUESTIONS - SA - II (3 MARKS EACH)	NO. OF QUESTIONS - LA (4 MARKS EACH)	TOTAL NUMBER OF QUESTIONS
3	RECORDERS	--	--	1	1-	2
4	TV SYSTEM	4	2	1	1-	8
5	MODERN APPLIANCES	3	3	2-	1	9
TOTAL QUESTIONS		07	05	04	03	19
NO. OF QUESTIONS TO BE ANSWERED		05	03	02	02	12
TOTAL MARKS		5 x 1 = 05 Marks	3 x 2 = 06 Marks	2 x 3 = 06 Marks	2 x 4 = 08 Marks	25 Marks

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Max. Marks: 30

General Instructions:

1. Please read the instructions carefully
2. This Question Paper is divided into 03 sections, viz., Section A, Section B and Section C.
3. Section A is of 05 marks and has 06 questions on Employability Skills.
 - a) Questions numbers 1 to 4 are one mark questions. Attempt any three questions.
 - b) Questions numbers 05 and 06 are two marks questions. Attempt any one question.
4. Section B is of 17 marks and has 16 questions on Subject specific Skills.
 - a) Questions numbers 7 to 13 are one mark questions. Attempt any five questions.
 - b) Questions numbers 14 to 18 are two marks questions. Attempt any three questions.
5. Section C is of 08 marks and has 03 competency-based questions.
 - a) Questions numbers 19 to 21 are four marks questions. Attempt any two questions.
6. Do as per the instructions given in the respective sections.
7. Marks allotted are mentioned against each section/question.

SECTION A

(3 + 2 = 5 marks)

Answer any 03 questions out of the given 04 questions		1 x 3 = 3
Q.1	Write qualities of a successful Entrepreneur.	1
Q.2	Vijay works for Manoj, who is a businessman. Vijay is an_____.	1
Q.3	Disposal of waste is done by reusing_____material.	1
Q.4	One example of greenhouse gases is_____.	1
Answer any 01 question out of the given 02 questions		1 x 2 = 2
Q.5	List two Green jobs.	2
Q.6	Write two characteristics of Entrepreneurship.	2

SECTION B**(5 + 6 + 6 = 17 marks)**

Answer any 05 questions out of the given 07 questions		1 x 5 = 5
Q.7	A TV Remote control has _____ meter range	1
Q.8	Three-color system used in India is _____ color system	1
Q.9	Advantages of LED TV are less power consumption and _____.	1
Q.10	Speed of a Laser Printer speed is expressed by _____	1
Q.11	In a microwave oven, microwaves are generated by _____	1
Q.12	A H.D. TV has _____ resolution.	1
Q.13	A photosensitive drum is used in _____ printer.	1
Answer any 03 questions out of the given 05 questions		2 x 3 = 6
Q.14	What is a function of a TV Tuner?	2
Q.15	Why is scrambling done in cable TV transmission systems?	2
Q.16	In a telephone tone ringer unit, a capacitor is used in series with the ring IC input. What is the purpose of this capacitor?	2
Q.17	What precautions must be taken while choosing a component to replace a faulty component?	2
Q.18	What are the desirable features of printers?	2
Answer any 02 questions out of the given 04 questions		3 x 2 = 6
Q.19	Draw the block diagram of a Telephone system.	3
Q.20	Name any three problems that occur in a Laser printer. How will you remove the problems?	3
Q.21	Draw the block diagram of the tape recorder or remote control of the TV.	3
Q.22	Draw the block diagram of the Microwave Oven or Scanner.	3

SECTION C**(2 x 4 = 8 marks)****(COMPETENCY BASED QUESTIONS)**

Answer any 02 questions out of the given 03 questions		
Q.23	Draw block diagram of Monochrome TV Receiver. Write Picture IF and Sound IF.	4
Q.24	Draw a table of troubleshooting of printers with possible of solutions.	4
Q.25	Draw block diagram of CD Recording and Reproduction.	4