

CBSE | DEPARTMENT OF SKILL EDUCATION

ELECTRONIC TECHNOLOGY (SUBJECT CODE -820)

Blue-print for Sample Question Paper for Class XII (Session 2022-2023)

Max. Time: 3 Hours

Max. Marks: 60

PART A - EMPLOYABILITY SKILLS (10 MARKS):

UNIT NO.	NAME OF THE UNIT	OBJECTIVE TYPE QUESTIONS	SHORT ANSWER TYPE QUESTIONS	TOTAL QUESTIONS
		1 MARK EACH	2 MARKS EACH	
1	Self-Management Skills- IV	2	2	4
2	ICT Skills- IV	2	1	3
3	Entrepreneurial Skills- IV	2	2	4
TOTAL QUESTIONS		6	5	11
NO. OF QUESTIONS TO BE ANSWERED		Any 4	Any 3	07
TOTAL MARKS		1 x 4 = 4	2 x 3 = 6	10 MARKS

PART B - SUBJECT SPECIFIC SKILLS (50 MARKS):

UNIT NO.	NAME OF THE UNIT	OBJECTIVE TYPE QUESTIONS	SHORT ANS. TYPE QUES.- I	SHORT ANS. TYPE QUES.- II	DESCRIPTIVE/ LONG ANS. TYPE QUESTIONS	TOTAL QUESTIONS
		1 MARK EACH	2 MARKS EACH	3 MARKS EACH	4 MARKS EACH	
1	Basic Occupational Safety And Precautions	07	01	-	01	09
2	Microphones and Loudspeakers	07	01	01	01	10
3	Recorders	06	01	01	01	09
4	TV System	06	01	01	01	09
5	Modern Appliances	06	01	-	01	08
TOTAL QUESTIONS		32	5	3	5	45
NO. OF QUESTIONS TO BE ANSWERED		26	Any 3	Any 2	Any 3	34
TOTAL MARKS		1 x 26 = 26	2 x 3 = 6	3 x 2 = 6	4 x 3 = 12	50 MARKS

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Sample Question Paper for Class XII (Session 2022-2023)

Max. Time: 3 Hours

Max. Marks: 60

General Instructions:

1. Please read the instructions carefully.
2. This Question Paper consists of **24 questions** in two sections – Section A & Section B.
3. Section A has Objective type questions whereas Section B contains Subjective type questions.
4. **Out of the given (6 + 18 =) 24 questions, a candidate has to answer (6 + 11 =) 17 questions in the allotted (maximum) time of 3 hours.**
5. All questions of a particular section must be attempted in the correct order.
6. **SECTION A - OBJECTIVE TYPE QUESTIONS (30 MARKS):**
 - i. This section has 06 questions.
 - ii. There is no negative marking.
 - iii. Do as per the instructions given.
 - iv. Marks allotted are mentioned against each question/part.
7. **SECTION B – SUBJECTIVE TYPE QUESTIONS (30 MARKS):**
 - i. This section contains 18 questions.
 - ii. A candidate has to do 11 questions.
 - iii. Do as per the instructions given.
 - iv. Marks allotted are mentioned against each question/part.

SECTION A: OBJECTIVE TYPE QUESTIONS

Q. 1	Answer any 4 out of the given 6 questions on Employability Skills (1 x 4 = 4 marks)	
i.	For paste option shortcut key is ctrl +V, is IT True/False?	1
ii.	Which key do you use to undo the last thing you did? Ctrl+Z or Ctrl+D.	1
iii.	Shortage of funds and resources is a barrier to become an entrepreneur is True/False?	1
iv.	Define any one quality of an entrepreneur.	1
v.	Self-motivation is important because, give a reason.	1
vi.	Which personality disorder is marked by an ongoing pattern of varying moods?	1

Q. 2	Answer any 5 out of the given 7 questions (1 x 5 = 5 marks)	
i.	What is name of term for the identification of hazards on the health of workers?	1
ii.	Occupational hazard occurs due to lack of_____?	1
iii.	Occupational Disease is caused by_____?	1
iv.	Write the labels of Fire extinguisher for use of electrical fire?	1
v.	Write name of protective equipment used for safety of eyes?	1
vi.	Write any one safety concern in manufacturing industry.	1
vii.	What is RF burn?	

Q. 3	Answer any 6 out of the given 7 questions (1 x 6 = 6 marks)	
i.	Which microphone uses external battery source?	1
ii.	Which microphone is used in tape recorder?	1
iii.	Which microphone is used for sound measurement?	1
iv.	What is unit of sound measurement?	1
v.	Which loudspeaker is used for reproduction of high frequencies?	1
vi.	Which loudspeaker is used in public address system?	1
vii.	Where is woofer loudspeaker used?	

Q. 4	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)	
i.	In which recording system tape is used?	1
ii.	What is storage capacity of a CD?	1
iii.	Write full form of DVD.	1
iv.	What is thickness of DVD?	1
v.	In tape recorder, write the name of the reel which supply tape.	1
vi.	Which material is used to make CD?	1

Q. 5	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)	
i.	Which modulation is used for picture transmission in TV?	1
ii.	Write full form of VSB modulation.	1
iii.	What for Tuner is used in TV?	1
iv.	Write full form of PAL.	1
v.	Write names of Primary colors used in color tv.	1
vi.	Write advantage of LED TV.	1

Q. 6	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)	
i.	Which electronic device generates microwave in microwave oven?	1

ii.	In cordless phone, which unit is connected to telephone lines?	1
iii.	Write full form of DTMF.	1
iv.	Which printer uses photosensitive drum?	1
v.	In FAX machine, Thermal paper works on ____.	1
vi.	In scanner, images are converted into which form?	1

SECTION B: SUBJECTIVE TYPE QUESTIONS

Answer any 3 out of the given 5 questions on Employability Skills (2 x 3 = 6 marks)

Answer each question in 20 – 30 words.

Q. 7	What are sources of motivation and inspiration?	2
Q. 8	Write common personality disorders.	2
Q. 9	Write steps to insert an image in a worksheet how to print it.	2
Q. 10	Write the barriers to becoming an entrepreneur?	2
Q. 11	Write types of entrepreneur.	2

Answer any 3 out of the given 5 questions in 20 – 30 words each (2 x 3 = 6 marks)

Q. 12	What is need of occupational health and safety?	2
Q. 13	Write working principle of carbon microphone.	2
Q. 14	Write principle of magnetic recording.	2
Q. 15	Draw block diagram of channel and cable tv.	2
Q. 16	Draw simplified diagram of a printer.	2

Answer any 2 out of the given 3 questions in 30– 50 words each (3 x 2 = 6 marks)

Q. 17	Draw Block diagram of CD/DVD player.	3
Q. 18	Write merits of piezo electric microphone.	3
Q. 19	Write faults of cable TV.	3

Answer any 3 out of the given 5 questions in 50– 80 words each (4 x 3 = 12 marks)

Q. 20	What is Protective equipment for hand, eyes, Respiratory protection, Hearing protection, Safety shorting Probe? Draw and describe.	4
Q. 21	Draw construction and write working of moving coil loudspeaker.	4
Q. 22	Write flow chart for fault finding and Rectification of TV Receiver.	4
Q. 23	Draw microwave oven block diagram. Write safety guidelines.	4
Q. 24	Write general kind of faults with the recorder/player.	4