

CBSE – DEPARTMENT OF SKILL EDUCATION

Electronics Technology XII (SUBJECT CODE 820)

Sample Question Paper

Class XII (Session 2019–2020)

Time: 3 Hours

Max. Marks: 60

General Instructions:

- This Question Paper consists of two parts viz. Part A: Employability Skills and Part B: Subject Skills.*
- Part A: Employability Skills (10 Marks)**
 - Answer any 4 questions out of the given 6 questions of 1 mark each.*
 - Answer any 3 questions out of the given 5 questions of 2 marks each.*
- Part B: Subject Skills (50 Marks):**
 - Answer any 10 questions out of the given 12 questions of 1 mark each.*
 - Answer any 5 questions from the given 7 questions of 2 marks each.*
 - Answer any 5 questions from the given 7 questions of 3 marks each.*
 - Answer any 3 questions from the given 5 questions of 5 marks each.*
- This question paper contains 42 questions out of which 30 questions are to be answered.*
- All questions of a particular part/section must be attempted in the correct order.*
- The maximum time allowed is 3 hrs.*

PART A: EMPLOYABILITY SKILLS (10 MARKS)

Answer any 4 questions out of the given 6 questions of 1 mark each:

1.	Identify the following- The process of creating a non –fiction text about current or recent news, items of general interest or specific topic is called a)Writing skills b)Paragraph writing c)Article writing d)None of these	(1)
2.	It contains icons for the most commonly used commands- a)Menu bar b)Standard bar c)Formatting bar d)Title bar	(1)
3.	This personality disorder is marked by an overreliance on other people to meet one’s emotional and physical needs- a)Dependent b) Obsessive c) Avoidant d)Borderline	(1)
4.	Who oversee green activities in their organization? a) Energy auditors b) Wind energy engineers c) Solar energy engineers d) Chief sustainability officers	(1)
5.	Define ‘Entrepreneurship’.	(1)
6.	This is not the sources of motivation and inspiration- a) Books b) Gossip c) Dreaming big d) Music	(1)

Answer any 3 questions out of the given 5 questions of 2 marks each:

7.	Give two points difference between listening and hearing.	(2)
8.	Write four steps to insert a text box in a slide.	(2)
9.	Tell two traits of each extraversion and agreeableness personality.	(2)
10.	List four green jobs in building and construction field.	(2)
11.	Give one example each of trading & services and also give its reason.	(2)

PART B: SUBJECT SKILLS (50 MARKS)

Answer any 10 questions out of the given 12 questions:

12.	The low frequency loudspeaker is known as _____.	(1)
13.	What is HDTV?	(1)
14.	_____ microphone is used in mobile phone.	(1)
15.	Draw the frequency characteristics of practical loudspeaker.	(1)
16.	The capacity of 120mm CD is _____ MB	(1)
17.	The three primary colors are _____, _____ and _____.	(1)
18.	The IF of sound signal is _____ MHz.	(1)
19.	The operating frequency of microwave oven is _____ GHz	(1)
20.	What is full form of DTH?	(1)
21.	What is DTMF?	(1)
22.	What is power level of loudspeaker?	(1)
23.	Effect due to sudden speed change in tape is _____ a)Flutter effect b) Wow effect	(1)

	c) Surge effect d) Cracking	
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Answer any 5 questions out of the given 7 questions of 2 marks each:

24.	What is scrambling?	(2)
25.	What is the loudspeaker enclosure?	(2)
26.	Describe optical recording. List any two applications of optical recording.	(2)
27.	What is the need of synchronizing circuits in TV receiver?	(2)
28.	What is dynamic range of loudspeaker?	(2)
29.	What is the advantage of LASER printer over inkjet printer?	(2)
30.	Describe steps of fault finding of audio amplifier.	(2)

Answer any 5 questions out of the given 7 questions of 3 marks each:

31.	Draw the block diagram of Tape Recorder System.	(3)
32.	Explain various faults of FAX machine and its remedies.	(3)
33.	What are the difference between analog and digital sound recording?	(3)
34.	Explain the extension of color transmission.	(3)
35.	What will be the problems if precautions are not taken while handling electronic devices?.	(3)
36.	How can we achieve the following (a) brightness control (b) contrast control (c) volume control	(3)
37.	Draw the block diagram of TV remote and explain it briefly.	(3)

Answer any 3 questions out of the given 5 questions of 5 marks each:

38.	Draw the block diagram of microwave oven and explain the principle of operation.	(5)
39.	What are various safety instructions and precautions, which you should observe while handling electronic devices.	(5)
40.	Describe the construction of moving coil microphone and explain its operation.	(5)
41.	Draw the block diagram of TV receiver and briefly explain its blocks.	(5)

42.	Write various advantages and disadvantages of optical recording and magnetic recording	(5)
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