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C14-EC-502

4631

**BOARD DIPLOMA EXAMINATION, (C-14)
MARCH/APRIL—2021
DECE - FIFTH SEMESTER EXAMINATION
CONSUMER ELECTRONICS**

Time : 3 hours]

[Total Marks : 80

PART—A

4×5=20

- Instructions :**
- (1) Answer *any five* questions.
 - (2) Each question carries **four** marks.
 - (3) Answers should be brief and straight to the point and shall not exceed five simple sentences.

1. List different types of Microphone.
2. Define speech and music.
3. Define MP3 format.
4. State frame and field frequencies.
5. List different types of scanning.
6. List different pulses in composite video signal.
7. List primary colours and secondary colours.
8. Define compatibility and reverse compatibility.
9. State the need for SET TOP box.
10. List the features of projection TV.

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PART—B

15×4=60

Instructions : (1) Answer *any four* questions.
(2) Each question carries **fifteen** marks.
(3) Answers should be comprehensive and criterion for valuation is the content but not the length of the answer.

11. Explain the working of carbon microphone.
12. Explain the construction and working of crystal headphone.
13. Explain home theatre sound system.
14. Draw and explain the standard scanning pattern in an interlaced scanning.
15. (a) Compare positive and negative modulation.
(b) List the advantages and disadvantages of magnetic recording.
16. Draw and explain the block diagram of colour TV receiver.
17. Distinguish between additive mixing and subtractive mixing of colours.
18. Explain the CATV with suitable block diagram.

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