

592

Register No.:

April 2024

Time – Three hours
(Maximum Marks: 100)

- [N.B. 1. Answer all questions under Part-A. Each question carries 3 marks.
2. Answer all the questions either (A) or (B) in Part-B. Each question carries 14 marks.]

PART – A

1. Define cordless microphone and state its advantages.
2. State the specifications of horn loud speaker.
3. Define magnetic recording.
4. Define stereophonic system.
5. What is called Hue in a television?
6. What are the advantages of NTSC?
7. What are the advantages of DTH system?
8. Compare LED TV and LCD TV.
9. What is Photostat Machine?
10. Draw the block diagram of washing machine.

[Turn over.....

PART - B

11. (a) Explain about moving coil microphone with a neat sketch.
(Or)
(b) Explain about the working principle of digital recording with a neat sketch.
12. (a) Explain about the working principle of sound reproducing system with diagram.
(Or)
(b) Explain how digital sound is recorded in MP3 system with neat diagram.
13. (a) Explain about the compatibility of colour TV system with monochrome system.
(Or)
(b) With a neat diagram explain additive and subtractive mixing colours.
14. (a) With a neat diagram explain about DTH system.
(Or)
(b) With a neat diagram explain about LCD screen.
15. (a) Explain the components used in Cam Corder.
(Or)
(b) Explain the working principle of microwave oven.
