



## GOVERNMENT COLLEGE OF ENGINEERING, JALGAON

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Name of Examination : **Summer 2021** - (Preview)

Course Code & Course Name : **ET353UC - Consumer Electronics**

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Maximum Marks : **60**

Duration : **3 Hrs**

[Edit](#) [Print](#) [View Answer Key](#) [Close](#) **Answer Key Submission Type:** Marking scheme with model answers and solutions of numerical

Instructions:

1. All questions are compulsory.
2. Illustrate your answer with suitable figures/sketches wherever necessary.
3. Assume suitable additional data; if required.
4. Use of logarithmic table, drawing instruments and non programmable calculators is allowed.
5. Figures to the right indicate full marks.

- 1) Answer any three of the following.
  - a) Differentiate between CD player and DVD player. [6]
  - b) Explain PA system in detail. [6]
  - c) Write short notes on:
    1. ICs used in FM tuner [3]
    2. Microphones [3]
  - d) Explain Electrocardiograph with neat diagram? [6]
- 2) Answer any three of the following.
  - a) Draw schematic block diagram of colour TV receiver and explain the functions in details? [6]
  - b) Write short notes on:
    1. JPEG [3]
    2. MPEG [3]
  - c) With the help of diagram, explain how does the TV signal is received by using DTH system. [6]
  - d) Describe selection criteria of transducers for specific applications. [6]
- 3) Answer any three of the following.
  - a) Explain with neat block diagram microwave oven? [6]
  - b) Write short note on Field strength meter. [6]
  - c) Explain digital camera and camcoder? [6]
  - d) Write short notes on:
    1. B P Measurement [3]
    2. Pacemaker [3]
- 4) Answer the following
  - a) Explain
    1. Digital Video [3]
    2. Grounding and safety [3]

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