



GOVERNMENT COLLEGE OF ENGINEERING, JALGAON

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Name of Examination : **Winter 2020** - (Preview)

Course Code & Course Name : **ET306UY - Open Elective - I - Electronics Appliances**

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Maximum Marks : **60**

Duration : **3 Hrs**

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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 the following (any two)
 - 1) Explain refrigeration system with block diagram. [6]
 - 2) Explain with the help of block diagram air-conditioner. [6]
 - 3) Explain washing machine mechanism with neat block diagram. [6]
- 2) Answer the following (any two)
 - 1) What is cellular phone? Explain with the neat block diagram. [6]
 - 2) Explain digital clock in details. [6]
 - 3) Explain Anti-lock Breaking System (ABS) in details. [6]
- 3) Answer the following
 - 1) With neat block diagram explain camcorder? [6]
 - 2) Explain bar-code scanner and decoder. [6]
- 4) Answer the following
 - 1) Write short notes on :
 - a. Thermometer [3]
 - b. Tachometer [3]
 - 2) Explain electronic weighing machine with neat block diagram. [6]
- 5) Answer the following (any two)
 - 1) Explain Facsimile (FAX) with features [6]
 - 2) Explain video games with operation and block diagram. [6]
 - 3) Explain musical instruments with neat diagram. [6]

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