

GOVERNMENT COLLEGE OF ENGINEERING, AMRAVATI
(An Autonomous Institute of Government of Maharashtra)

Class Test- I
Time: 1 Hour

Subject: Audio and Video Engineering

Course Code: ETU602

Date: 28/01/2016

Marks: 15

Solve any THREE

Q.1 List the requirement to produce Hi-Fi(High Fidelity) sound and explain the concept of Hi-Fi.

Q.2 With the help of suitable diagram explain Compact Disc (CD) recording and reproduction (Optical Recording).

→ Q.3 Explain the different types of hearing aids. and what are the controls associated with hearing aids?

→ Q.4 How does the ribbon microphone differ from the dynamic microphone? Explain

→ Q.5 What are the functions of telephone exchange? Also discuss the services available to the subscriber of telephone exchange.

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Marks: 15

Solve the following.

- Q.1 What are the characteristics of microphone? Explain. Also explain the significance of polar diagram. 04
- Q.2 Why the efficiency of an indirect radiating loudspeaker is greater than that of direct radiating loudspeaker? 02
- Q.3 Draw and explain the three way cross over network. Why the multispeaker system is required? 03
- Q.4 Explain optical recording and reproduction in detail. 04
- Q.5 Explain the different types of hearing aid. 02