

G. S. Mandal's
Marathwada Institute of Technology, Aurangabad
Department of Electronics & Telecommunication Engineering

AY 2017-18 Part -II

Class:- BE(ETC)

CONSUMER ELECTRONICS

QUESTION BANK

UNIT 1:-

- Q.1 Explain the basic principle of mobile communication
- Q.2 Explain block diagram and working of mobile handset
- Q.3 Explain cordless telephone with their working principles
- Q.4 Explain various multiplexing techniques in communication
- Q.5 Explain 2G and 3G concept
- Q.6 Explain the EPABX system in details
- Q.7 What are the specification and principle of i-phone.
- Q.8 Write short note on android technology.

UNIT 2:-

- Q.1 Explain the colour television receiver
- Q.2 Explain the working principle of LCD display
- Q.3 Explain the working of LED TV
- Q.4 Explain plasma TV
- Q.5 Write a short note on 3D technology in TV
- Q.6 Write short note on video conferencing
- Q.7 Explain the PA system in detail.

Q.8 Explain the working of facsimiles (FAX machine)

Q.9 Write a short on gesture technology in TV.

Q.10 Explain Dolby digital systems.

UNIT 3:

Q.1) Explain the working of washing machine

Q.2) Explain the working of microwave oven in detail

Q.3) How the electronic weighing machine works

Q.4) Explain the principle and working of air conditioner

Q.5) Explain the working principle of vacuum cleaner

Q.6) Explain the working with block diagram of digital calculator

UNIT 4:

Q.1) What is the difference between LASER and Inkjet printers

Q.2) Explain the working of LASER printers

Q.3) How does the photocopier or XEROX machine works?

Q.4) Explain the block diagram of scanner machine

Q.5) Explain CD/DVD player

Q.6) Explain how the Blu-ray DVD player works?

UNIT 5:

Q.1) Explain how does the electronic voting machine works?

Q.2) Compare CFL and LED lamps

Q.3) Explain LED lamps (principle)

- Q.4) Explain the advantages and disadvantages of CFL lamps
- Q.5) How does the solar lamp work?
- Q.6) What are the principle and working of water purifier
- Q.7) Explain the working of ATM machine
- Q.8) Explain the working of biometric attendance monitoring system
- Q.9) Explain the various biometric sensors
- Q.10) Explain Home Automation system?

UNIT 6:

- Q.1) Explain the classification of product in detail with example
- Q.2) Explain with example the different stages of product life cycle
- Q.3) Explain various steps of new product development
- Q.4) Write short note on Security issues
- Q.9) Write short note on electrical safety issues.
- Q.5) Explain various safety and liability of product
- Q.6) What are the EMC requirements of compliance