

Q.17 What does the impedance of a loudspeaker depend upon. Why it is too important in a speaker system.

Q.18 It is explain the block diagram for recording of a disc.

SECTION-C

Note:Long answer type questions. Attempt any one questions out of two questions. (10x1=10)

Q.19 Explain the principle, working and construction of Piezoelectric Microphone

Q.20 Explain the process of DVD manufacturing in detail.

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Level 4, 1st Sem. / DVOC (Medical Imaging Tech.,EMS)

Subject : Troubleshooting and Maintenance of Electronic Equipment I

Time : 2 Hrs.

M.M. : 50

SECTION-A

Note:Objective/ Completion type questions. All questions are compulsory. (10x1=10)

Q.1 Speakers work by converting electrical energy into

- a) Thermal Energy
- b) Mechanical Energy
- c) Kinetic Energy
- d) Free Energy

Q.2 Piezo-electric devices includes

- a) Cell Phones
- b) Ultrasonic transducers
- c) Vibration sensors
- d) All of the above

Q.3 Through checking up of equipment periodically as per schedule prescribed in service manual is called as

- a) Shielding
- b) Maintenance
- c) Servicing
- d) Repair

Q.4 In which of the following player all the mechanical, electrical and electronic component need to work in harmony with each other

- a) DVD
- b) CD
- c) DVR
- d) VCR

Q.5 Carbon microphones suffers from disadvantages including

- a) Require battery for being operational
- b) Very noisy
- c) Poor Frequency response
- d) All of these

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Q.6 Expand the DVD-ROM

Q.7 Moving coil works on the principle of _____

Q.8 Tweeters are able to produce bass sounds. (T/F)

Q.9 Low audio frequencies are produced by a speaker known as _____

Q.10 In a CD, music is stored digitally. T/F

SECTION-B

Note: Short answer type questions. Attempt any six questions out of eight questions. (6x5=30)

Q.11 List the properties of microphone

Q.12 Differentiate between CD and DVD

Q.13 Elaborate the working principle of Capacitance Microphone

Q.14 List the qualities of a good loudspeaker

Q.15 Discuss the principle of optical recording for CD

Q.16 Summarize the different steps for finding faults during recording of DVDs

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