

- Q.12 What is difference between VCD & DVD?
 Q.13 What are different problems associated with disc recording?
 Q.14 What are common faults in CD recording and how to remove them?
 Q.15 What is importance of impedance & power level in loud speakers?
 Q.16 Write in detail the working principle of variable reactance microphone.
 Q.17 Name different musical instruments with their frequency ranges.
 Q.18 What is piezo-electric effect?, Explain.

SECTION-C

- Note:** Long answer questions. Attempt any one questions out of two questions. (1x10=10)
 Q.19 Draw & Explain block diagram of Optical recording system.
 Q.20 What is multi-speaker system, why it is needed, write its different components.

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DVOC (Level 4)
1st Sem. / Medical Imaging Technology
Subject : Trouble Shooting & Maintenance of Electronic Equipments-I

Time : 2 Hrs. M.M. : 50

SECTION-A

Note: Very short questions. Attempt all ten questions. (10x1=10)

- Q.1 Define directivity of microphone.
 Q.2 Define impedance.
 Q.3 Define frequency response.
 Q.4 Name any one piezo-electric material.
 Q.5 Frequency range of woofer is _____
 Q.6 Define intensity.
 Q.7 What is audio frequency range?
 Q.8 Name the material used to manufacture CD.
 Q.9 What is storage capacity of a DVD?
 Q.10 Tweeters are used to produce _____ frequencies (Low/High)

SECTION-B

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

- Q.11 Explain in brief the working principle of capacitance microphone.