

SECTION-B

Note: Short answer type questions. Attempt any six questions out of Eight questions. $(6 \times 5 = 30)$

- Q.11 What is a Ground wire? Why is it important?
- Q.12 What are the advantages and disadvantages of sheathed cable?
- Q.13 What is coaxial cable? What are the layers of coaxial cable?
- Q.14 What are the advantages of multi conductor cable?
- Q.15 Differentiate between unshielded and shielded Twisted Pair Cable
- Q.16 What is connector? What are the types of connector?
- Q.17 What is the difference between Twin Lead cable and Twin axial cable?
- Q.18 What is the ESD Clothing and how does it work?

SECTION-C

Note: Long answer type questions. Attempt any one questions out of two questions. $(10 \times 1 = 10)$

- Q.19 What is an optical fiber cable? Explain the types of optical fiber cable.
- Q.20 What are the advantages, disadvantages and applications of Armoured and Unarmoured Cables?

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Level - 5, Semester I / (DVOC) Medical Imaging Tech.

Subject : Tools, Equipment and safety measures-I

Time : 2 Hrs.

M.M. : 50

SECTION-A

Note: Very short answer questions. Attempt all ten questions. $(10 \times 1 = 10)$

- Q.1 What are the advantages of Non metallic cable?
- Q.2 What happens if electricity is not grounded?
- Q.3 What is the purpose of metallic sheath in cable?
- Q.4 Where are multiple conductors used?
- Q.5 Expand STP.
- Q.6 Why are ribbon cables still used?
- Q.7 What is the use of twinaxial cable?
- Q.8 What does ESD stand for?
- Q.9 What is the principle of optical fiber cable ?
- Q.10 How many fibres are in ribbon cable?