

- Q.6 The most common type twin lead used is _____ (600/300/75) ohm.
- Q.7 Define connector.
- Q.8 PVC stands for _____
- Q.9 Which type of optical fibre cable is used in telephone lines?
- Q.10 ESD stands for _____

SECTION-B

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

- Q.11 Explain the uses of Non-metallic sheathed cable.
- Q.12 Differentiate between Grounded and Un Grounded Power Supply cable
- Q.13 Write short note on multi-conductor cable and its types.
- Q.14 Explain the construction of steel wore Armored Cable.
- Q.15 What are twisted pair cables? What are its types?
- Q.16 What are the advantages and disadvantages of oil-filled cables?
- Q.17 Explain with diagram, the different types of optical fiber cable.
- Q.18 Explain any five connectors used in Electrical Circuit Connections.

SECTION-C

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

- Q.19 Explain in detail, the construction diagram of coaxial cable and write its advantages, disadvantages and applications.
- Q.20 Write short note on any two;
- Metallic and Non-Metallic sheathed cable.
 - Comparison between Twisted pair, Coaxial and Optical fibre cable
 - ESD Clothing, what to wear and how to wear?

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Roll No.

DVOC (Level 5)

Sem 1st / Medical Imaging Tech.

Subject : Tools , Equipment and safety Measures-I

Time : 2 Hrs.

M.M. : 50

SECTION-A

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

- Q.1 Which of the following is NOT an example of electrical safety equipment?
- Voltage tester
 - Insulated gloves
 - Wire cutter
 - Safety goggles
- Q.2 What does the term “ground fault” refer to in electrical systems?
- A connection between a live wire and the ground
 - A circuit with no electricity flowing through it
 - A damaged electrical cord
 - A short circuit
- Q.3 In a cable, _____ is provided immediately above metallic sheath.
- Earthing connection
 - Bedding
 - Armouring
 - None of these
- Q.4 In Guided Media transmission using twisted pair, the twisting of cables is done;
- To avoid the cross talk between adjacent pairs.
 - To increase the bandwidth for transmission
 - To avoid the physical damage to the wires
 - All of the above
- Q.5 Which cable will be preferred for connecting an electric iron to a socket ?
- Two core PVC cable
 - Three core PVC cable
 - Three core cotton covered cable
 - two core cotton covered cable.

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