

- Q.7 The connector used for connecting a pair of external loudspeakers to a personal computer is called _____.
 a) FTP Connector b) RCA Connector
 c) DB Connector d) BNC Connector
- Q.8 _____ is also called as Twin-lead transmission line.
- Q.9 To control ESD, its best to wear clothes made of _____.
 (Cotton/Polyster)
- Q.10 What is ESD clothing?

SECTION-B

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

- Q.11 What do you mean by Non-Metallic Sheathed Cable? What are its advantages?
- Q.12 What is the main reason for providing metallic sheath in underground cables?
- Q.13 What is coaxial cable? What are the types of coaxial cable?
- Q.14 How are twisted pair cables classified?
- Q.15 Write the features of twin-lead cable.
- Q.16 Differentiate between single mode and multimode optical fiber cable.
- Q.17 What is ESD clothing and how does it works?
- Q.18 Explain the configuration of the cable used in computer networking.

SECTION-C

Note: Long answer type questions. Attempt any one questions out of two questions. (1x10=10)

- Q.19 Write down the differences and similarities between unshielded and shielded twisted pair cables.
- Q.20 Draw the construction diagram of optical fiber cable. Write advantages, disadvantages and applications of optical fiber cable.

(60) (2) 188553

No. of Printed Pages : 2

Roll No.

188553

Level 5 / 1st. Sem. / DVOC

Medical Imaging Tech.

Subject : Tools, Equipment and Safety Measures-I

Time : 2 Hrs.

M.M. : 50

SECTION-A

Note: Very short answer type questions. All questions are compulsory (10x1=10)

- Q.1 Which of the following types of wires are also known by the brand name Romex?
 a) Triplex Wires
 b) Panel Feed Wires
 c) Single Strand Wires
 d) Non-Metallic Sheathed Wires
- Q.2 What materials are used for metallic sheath?
 a) Lead
 b) Lead Alloy and Aluminum
 c) Both a & b
 d) None of the above
- Q.3 Sheaths are used in underground cables to:
 a) Provide proper insulation
 b) Provide mechanical strength
 c) Protect the cable from moisture
 d) None of the above
- Q.4 Name the usually used material for armouring on cable.
- Q.5 Write any two applications of coaxial cable.
- Q.6 The most common unshielded twisted pair connector is _
 a) RJ-59 b) RJ-45
 c) RJ-11 d) RJ-58

(1) 188553