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Roll No.

188564

2nd Sem, Level 5 / DVOG (Medical Image Tech.)
Subject : Tools, Equipment & Safety Measures - II

Time : 2 Hrs.

M.M. : 50

SECTION-A

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

Q.1 Maintenance consists of the following actions(s):

- a) Replacement of components
- b) repair of components
- c) Service of components
- d) All of the above

Q.2 What does the term “ground fault” refer to in medical electrical equipments?

- a) A connection between a live wire and the ground
- b) A circuit with no electricity flowing through it
- c) A damaged electrical cord
- d) A short circuit

Q.3 Which of the following is NOT an example of electrical safety equipment?

- a) Voltage tester b) Insulated gloves
- c) Wire cutter d) Safety goggles

Q.4 What is known as corrective maintenance?

- a) Breakdown maintenance
- b) Predictive maintenance
- c) Preventive maintenance
- d) Scheduled maintenance

Q.5 Define calibration.

Q.6 What is microcurrent shock.

Q.7 Define connector.

Q.8 PVC stands for _____

Q.9 Which type of optical fibre cable is used in telephone lines?

Q.10 Write name of any two PPE.

SECTION-B

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

Q.11 Write a note on the installation of a medical equipment.

Q.12 Explain the selection of right test tools for medical device maintenance.

Q.13 Draw a labeled diagram of MRI machine.

Q.14 What do you mean by General safety? How it differs from Common-sense safety?

Q.15 What is the sequence of Doffing of PPE?

Q.16 What are the uses and benefits of PPE?

Q.17 What is a Cleanroom? What is the importance of a Cleanroom in the medical Manufacturing Industry.

Q.18 Write a short note on Do's and Don'ts of cleanroom environment.

SECTION-C

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

Q.19 Explain in detail, the types of tools and equipment required and deployed in installation and servicing of X-ray machine.

Q.20 Write short note on:

- a) Maintenance of medical equipments and types of maintenance.
- b) Shop Floor Discipline