

- Q.26 What is Switch fuse unit?
 Q.27 Explain X-ray machine.
 Q.28 What is Pulse oximeter?
 Q.29 Write short note on Micro shock Hazards.
 Q.30 Explain losses in Transformer.
 Q.31 Explain troubleshooting of ECG machine X-ray machine.
 Q.32 Explain CMS.
 Q.33 Write short note on autotransformer.
 Q.34 What is CVT? Explain in detail.
 Q.35 What are the Safety Aspects?

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

- Q.36 Explain AMC and CMS.
 Q.37 Explain Radiation safety Instruments in detail.
 Q.38 Explain UPS with its types.

No. of Printed Pages : 4
Roll No.

183254

5th Sem. / Medical Electronics

Subject:- MEMS

Time : 3Hrs.

M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 EMG is used for
 a) Muscular dystrophy b) Sleep disorders
 c) Brain Tumors d) None of the above
 Q.2 In unregulated power supply, if input AC voltage increases, then output voltage
 a) increases b) decreases
 c) remains same d) None of the above
 Q.3 Any electrical signal present in a circuit other than the desired signal is known as
 a) Noise b) Interference
 c) Distortion d) All of the above
 Q.4 A.C. stands for _____
 a) Absolute current b) Advance current
 c) Alternating current d) All of the above
 Q.5 LED converts electrical energy into _____ energy.
 a) Heat b) Light
 c) Chemical d) Sound

(40)

(4)

183254

(1)

183254

Q.6 CRO stands for

- a) Cathode Ray oscilloscope
- b) Catode Ray oscillator
- c) Cathode Resistor oscillator
- d) None of the above

Q.7 Which one of the following element serves as a protection against overload

- a) Fuse
- b) Switch
- c) Relay
- d) Resistor

Q.8 What is the full form of UPS?

- a) Universal power supply
- b) Uninterruptible power supply
- c) Unless power supply
- d) None of the above

Q.9 CT stands for

- a) Controlled tomography
- b) Computed tomography
- c) Comparison tomography
- d) Converted tomography

Q.10 Normal SPO₂ range is

- a) 70-100%
- b) 95-100%
- c) 60-80%
- d) 50-100%

SECTION-B

Note: Objective type questions. All questions are compulsory. (10x1=10)

Q.11 What is SFU?

Q.12 What is BNC?

Q.13 What is X-ray?

Q.14 What is ECG?

Q.15 What is UPS?

Q.16 What is Earthing?

Q.17 What is CMS?

Q.18 What is US?

Q.19 What is Fuse?

Q.20 Define PMS?

SECTION-C

Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

Q.21 Write short note on stabilizer.

Q.22 Write short note on CVT.

Q.23 What is ground system inspection?

Q.24 Explain types of Connectors.

Q.25 What is Star Delta connection?