

- 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.

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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

- Q.6 CRO stands for
- Cathode Ray oscilloscope
 - Catode Ray oscillator
 - Cathode Resistor oscillator
 - None of the above
- Q.7 Which one of the following element serves as a protection against overload
- Fuse
 - Switch
 - Relay
 - Resistor
- Q.8 What is the full form of UPS?
- Universal power supply
 - Uninterruptible power supply
 - Unless power supply
 - None of the above
- Q.9 CT stands for
- Controlled tomography
 - Computed tomography
 - Comparison tomography
 - Converted tomography
- Q.10 Normal SPO₂ range is
- 70-100%
 - 95-100%
 - 60-80%
 - 50-100%

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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?

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