

SECTION-D

No. of Printed Pages : 4

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Roll No.

Note: Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

Q.23 Explain single channel telemetry system with block diagram.

Q.24 What is multiplexing & its types in details.

Q.25 Explain Satellite communication link with block diagram description.

4th Sem / Medical Electronics

Subject : Telemetry and Telemedicine

Time : 3 Hrs.

M.M. : 60

SECTION-A

Note: Multiple choice questions. All questions are compulsory (6x1=6)

Q.1 _____ Material is used to improve electric contact of electrode and skin

- a) Silver Tungsten b) Copper Tungsten
- c) Silver Graphite d) Electrode Jelly

Q.2 _____ is typical frequency range EEG machine.

- a) 70-140 Hz b) 0.1-70 Hz
- c) 0.05-0.1 Hz d) 0.025-0-05 Hz

Q.3 _____ is the most common convenient light source.

- a) Neon-xenon arc
- b) Xenon-mercury arc
- c) Tungsten lamp
- d) Hydrogen discharge lamp

Q.4 _____ is used for electrical activity of muscles.

- a) ECG b) EEG
- c) EMG d) EOG

Q.5 The typical value of calibration signal is-

- a) 10 uv/cm b) 70 uv/cm
- c) 50 uv/cm d) 30 uv/cm

Q.6 Which of the following parameter is measured by strain gauge.

- a) Pressure b) Temperature
- c) Height d) Displacement

SECTION-B

Note: Objective/ Completion type questions. All questions are compulsory. (6x1=6)

- Q.7 Multiplexing
- Q.8 Telemedicine
- Q.9 Expand ISDN
- Q.10 Expand POTS
- Q.11 Expand FDM
- Q.12 Apogee

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SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

- Q.13 Explain Telemetry transmitter system with diagram description
- Q.14 Explain temperature Telemetry system.
- Q.15 Write a note on telemetry system in operating room.
- Q.16 Explain transmission of system Images.
- Q.17 Explain Telemedicine with block diagram description
- Q.18 Write a note on ISDN.
- Q.19 What is Orbit. Explain it
- Q.20 Explain the difference between active and passive satellites.
- Q.21 Write a note on Internet resources
- Q.22 Write a note on obstetrical telemetry system.

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