

Q.4 Equipment History card are meant for

- a) The way equipment behave
- b) Total down time
- c) Wear off time of component
- d) All of above

Q.5 Zener diode are generally made up of

- a) Germanium b) Silicon
- c) Carbon d) None

Q.6 Residual volume concern for

- a) Heart b) Lungs
- c) Liver d) None of the above

SECTION-B

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

Q.7 Expand ICU

Q.8 What is Notch Filter

Q.9 Define Fuse?

Q.10 Biomedical Engineering

Q.11 Incubator?

Q.12 Electro surgery?

(2)

223251

SECTION-C

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

Q.13 Explain Defibrillator with circuit diagram.

Q.14 Explain the role of Biomedical Engineer in servicing & maintenance of hospital equipments?

Q.15 Explain Auto-Analyzer with diagram?

Q.16 What is ESU. Explain it?

Q.17 Explain SMPS in details?

Q.18 Discuss Physiological effects due to 50hz current passage?

Q.19 Explain Micro-current & Macro-current hazards?

Q.20 Explain various types of electrical hazards in hospitals?

Q.21 Differentiate between preventive & corrective Maintenance?

Q.22 Write a note on Annual Maintenance contract.

(3)

223251