

Register No.:

496

April 2024

Time – Three hours
(Maximum Marks: 100)

- [N.B. 1. Answer all questions under Part-A. Each question carries 3 marks.
2. Answer all the questions either (A) or (B) in Part-B. Each question carries 14 marks.]

PART – A

1. What is the role of technician in maintenance of laboratory equipment?
2. What happens when wires are in loose contact?
3. What is incubator?
4. What is CT? List its uses.
5. Write short notes on SMPS.
6. What are stabilizers?
7. What are micro shock hazards?
8. Write about the safety maintenance of the operating room.
9. What is the importance of testing equipment?
10. What should be noted before operating medical equipment?

[Turn over.....

PART – B

11. (a) Write short notes on:
(i) Temperature sensitive intermittent problems.
(ii) Preventive maintenance.
(Or)
(b) Explain the trouble-shooting techniques of medical equipment.
12. (a) Explain MRI machine with neat block diagram.
(Or)
(b) Write notes on:
(i) ECG Machine
(ii) EEG Machine.
13. (a) Explain the use and installation of generators in hospitals.
(Or)
(b) Explain the online and offline UPS with neat block diagram.
14. (a) Write notes on:
(i) Physiological effects due to 50Hz current passage
(ii) Emergency power system
(Or)
(b) List out the various electrical accidents taking place in hospitals.
Explain the devices to protect against the electrical hazards.
15. (a) Explain about testing of power leads, fuses and power supply circuit testing tests at different points in a machine.
(Or)
(b) Discuss about finding faults in a machine and its repairs.
