

Technical Assistant (Instruments)- Extracorporeal Devices

MFCP-Syllabus for Written Test

1. General awareness about Electronics laboratory activities, safety and maintenance
2. Medical devices, with focus on extra corporeal devices
3. Fundamentals of Electronics
4. Use of sensors, measuring instruments and measurement of various parameters like pressure, temperature, flow, flux density etc
5. Amplifiers and signal conditioners
6. PCBs, circuit assembly and troubleshooting
7. Data acquisition and signal processing using software LabVIEW
8. Awareness of various standards like IEC 60601 on Medical Electrical Equipment and importance of accuracy, precision and calibration of equipment
9. Reporting using Microsoft WORD and EXCEL
