



श्री चित्रा तिरुनाल आयुर्विज्ञान और प्रौद्योगिकी संस्थान, त्रिवेंद्रम - 695 011, केरल, भारत  
SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL SCIENCES AND TECHNOLOGY  
TRIVANDRUM - 695 011, KERALA, INDIA  
(एक राष्ट्रीय महत्व का संस्थान, विज्ञान एवं प्रौद्योगिकी विभाग, भारत सरकार)  
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P&A/Syllabus-MFCP/SCTIMST/2020

09.06.2020

### NOTICE

The Syllabus for written test for **MFCP** to the post of **Technical Assistant (Instruments) - Medical Instrumentation** as approved by the Director is notified for the information of all concerned.

1. General awareness about electronics laboratory activities, safety and maintenance
2. Medical devices, with focus on active implantable medical devices and sensing electrodes
3. Fundamentals of Electronics
4. Use of sensors, measuring instruments and measurement of various physiological parameters
5. Amplifiers and signal conditioners
6. PCBs, circuit assembly and troubleshooting
7. Data acquisition and signal processing
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

  
9/6/2020  
Administrative Officer Gr.I