

SYLLABUS FOR TECHNICAL ASSISTANT (INSTRUMENTS)

(DIVISION OF ARTIFICIAL INTERNAL ORGANS)


Biomaterials and Medical Devices: General concepts, Concepts of biocompatibility, Biocompatibility evaluation techniques, Materials used and working principle of medical devices like heart valve, hydrocephalus shunt, coronary stent, atrial septal defect closure device, endovascular stented graft, oxygenator, flow diverter stent, orthopaedic plates and screws, orthotic devices etc.

Medical device processing: General concepts, Metallic implant processing-turning, milling, grinding, hand finishing, centrifugal tumbling processes, shot peening, sand blasting, ultrasonic cleaning and drying sterilization.

Design and Drafting (Pro-Engineer as Tool): Creating sketch geometry, extrudes, revolves, sweeps, blends; Measuring and inspecting models; Assembling with constraints; Exploding assemblies; creating surface features; Creating drawing views; Creating drawing details


21/01/22
UDC-B


AAO-A 24/1/22


AOGrl(I/C)
21/1/22


DIRECTOR
24.1.22