Unit 11 - Fabrication of a Smart Catheter

Week 9 Assessment

The due date for submitting the assignment has passed. As per our policy, you have not submitted this assignment.

1. Identify the two main modalities followed (ultrasound/magnetic resonance imaging) to diagnose evaluate heart conditions.
   - Cardiovascular Diagnosis
   - Cardiac Ultrasound

2. What is the type of energy used in ablation ablation procedures? (Ablation, Stenosis of aorta of heart tissue)
   - Radiofrequency
   - Microwave

3. If you are given a microfibre, which of the following parameters the number of microfibres
   - Diameter of microfiber
   - Material of microfiber

4. Which of the following is a photo-sensitive polymer that is used in lithography for patterning? (How is a reticle coating of metal on an elastic substrate used?)
   - Photolithography
   - Chemical Vapor Deposition

5. Which of the following cells derive from a primary cell culture that demonstrates ability to propagate indefinitely in culture?
   - Confluence
   - Multiplying
   - Cell Line

6. Which among the following classes do not fall under ISO Class Room Class? (The ISO 8 Cleanroom Standard)
   - Class 100
   - Class 1000
   - Class 10
   - Class 0

7. What does REM stand for? (The REM-based air sensor integrated in scaffold can generate signals of the order of)
   - High-Efficiency Particulate Air
   - High-Efficiency Air
   - Microvolts
   - Nanovolts

8. The transduction mechanism of an air sensor is
   - Mechanical to electrical
   - Electrical to mechanical
   - Optical to electrical
   - Optical to Mechanical

Due on: 2019-10-02, 23:59 IST.