

Introduction to Biomaterials Quiz-1

1) A _____ is the substance used in or on the body, such as metals, polymers, or ceramics, to repair, replace, or enhance tissues and organs. A _____ is the complete instrument or system—which may incorporate biomaterials—used to diagnose, treat, or monitor a medical condition, such as a joint implant, heart valve, or cardiac rhythm stimulator. (20 points)

2) Please write 5 of the materials that are used in biomaterials in various forms: molded/machined parts, coatings, fibers, films, membranes, foams, fabrics, and particulates. (20 points)

1. _____
2. _____
3. _____
4. _____
5. _____

3) Why “World War II to Modern Era:Contex Surgeon-Hero Era” was important in the development of Biomaterials Science? (30 points)

4) Please define “Biocompatibility” of biomaterials. (20 points)