

2. Explain the following :
 - (i) Host reaction to biomaterials
 - (ii) Bioerodible materials.
3. Explain methods of compositional and structural characterization with principle.
4. Explain the following :
 - (i) Blood compatibility
 - (ii) Wound healing immunology.
5. What are advance sterilization techniques, explain sterilization of medial devices.
6. Explain degradation of materials in biological environment.
7. Explain artificial blood in detail.
8. Write notes on any *two* of the following :
 - (i) Atomic force microscopy
 - (ii) Biocompatibility of tissues
 - (iii) Biological functional materials.

M-AA-202

2

30

No. of Printed Pages : 02

Roll No.

AA-202

M. Tech. EXAMINATION, May 2017

(First Semester)

(B. Scheme) (Re-appear Only)

(BME)

BME-503

BIOMATERIALS AND ARTIFICIAL ORGANS

Time : 3 Hours]

[Maximum Marks : 100

Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

Note : Attempt any *Five* questions. All questions carry equal marks.

1. Explain methods for modify surface of materials.

(2-02) M-AA-202

P.T.O.