

2. Write short notes on the following :
- (a) Receptor ligand binding
  - (b) Cell signalling molecules.
3. Explain different method employed in synthesis of scaffolds.
4. Explain the following :
- (a) Immune response to foreign materials
  - (b) Animal cell culture on scaffolds.
5. Explain cell signalling of hormones and growth factors.
6. Explain the following :
- (a) Cell-Cell Interaction
  - (b) Process of Wound Healing.
7. What are stem cells and how cell organized in tissues ?
8. Explain any *two* of the following :
- (a) Ethical issues in cell transplantation
  - (b) Cell characterization
  - (c) Vascular tissue engineering.

M-BB-204

2

30

No. of Printed Pages : 02

Roll No. ....

**BB-204**

**M. Tech. EXAMINATION, May 2017**

(Second Semester)

(B. Scheme) (Main & Re-appear)

(BME)

BME-508

**ADVANCED TISSUE ENGINEERING**

*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 cell culture and cell differentiation.

(3-10/6) M-BB-204

**P.T.O.**