Reg. No.					
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V SEMESTER B.Tech. (BME) DEGREE MAKE-UP EXAMINATIONS, DEC/JAN 2016-17

SUBJECT: BASIC CLINICAL SCIENCES II (BME 3101) (REVISED CREDIT SYSTEM)

Tuesday, 27th December, 2016: 2.00 to 5.00 pm

TIME: 3 HOURS MAX. MARKS: 100

Instructions to Candidates:

- 1. Answer ALL questions from PART- A, PART-B and PART- C. Use separate answer books for PART-A, PART-B and PART-C.
- 2. Draw labeled diagram wherever necessary.

PART- A. OPHTHALMOLOGY (Max. Marks 40)

1)	Discuss Slit lamp bio-microscope with note on any 5 accessories.	5+5						
2) 3)	Write briefly on the uses of Contact lens . Discuss electrophysiological tests. Discuss Optical Coherence tomography and 4 conditions where it is used in ophthalmology							
4)	Discuss the process of Fundus Fluorescein Angiography and mention 4 diseases of the eye where it is used. PART- B. ORTHOPAEDICS (Max. Marks 30)	6+4						
1)	Classify fractures. Describe the implants used in management of fractures.	10						
2)	Describe the common tractions and muscle strengthening exercises.							
3)	Write short answers on : (i) Bone cement (ii) Arthroscopy	5+5						
	PART-C. SPEECH AND HEARING (Max. Marks 30)							
1)	Define hearing aid. Explain the working principle of digital hearing aid.	10						
2)	Define cochlear implant. Explain the working principle of cochlear implant.							
3)	Define EPD's. Explain different types of EPD's and its purpose.	10						

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