

IV B.Tech I Semester Supplementary Examinations, November 2005
REHABILITATION ENGINEERING
(Bio-Medical Engineering)

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. How do you improve the overall performance of Communication? Explain. What is a self-aligning orthotic knee joint. [16]
2. Explain in detail about the intelligent hand prosthesis. [16]
3. Explain the tactual vision substitution. Write a note on tactual augmentation. [16]
4. Enumerate the Environmental control systems. [16]
5. Explain the role of computers in augmentative communication and control. [16]
6. Explain with example, the subjective and objective measurement methods in the process of rehabilitation. [16]
7. Write a detail note on characterizing assist devices. [16]
8. Describe the process of computer-assisted lip reading. Write a note on brain computer interface. [16]
