

MANIPAL UNIVERSITY**THIRD YEAR B.O.T. DEGREE EXAMINATION – DECEMBER 2009****SUBJECT: OCCUPATIONAL THERAPY IN ORTHOPAEDICS**

Thursday, December 10, 2009

Time: 10:00-13:00 Hrs.

Max. Marks: 80

✍ **Answer all the Questions.**

✍ **Draw the Diagram Wherever Necessary.**

1. Explain OT management for 40 yr old female clerk with closed traction Brachial plexus injury.
(15 marks)
2. Describe various complications of spinal cord injury and explain the role of OT in autonomic dysreflexia and heterotrophic ossificans.
(5+10 = 15 marks)
3. Explain the OT role in deformity management in rheumatoid arthritis (RA) and briefly describe Joint protection techniques used in RA.
(10+5 = 15 marks)
4. Discuss the OT Management for 8 year old school going child neglected case of congenital dislocation of Hip.
(15 marks)
5. Short Notes:
 - 5A. Mention the splints used for tennis elbow and its clinical importance.
 - 5B. Describe the home safety measures for C6 Level quadriplegic.
 - 5C. Write a note on OT management for carpal tunnel syndrome.
 - 5D. Describe briefly OT in Sprengel shoulder deformity.
(5×4 = 20 marks)



Reg. No.									
----------	--	--	--	--	--	--	--	--	--

MANIPAL UNIVERSITY

THIRD YEAR B.O.T. DEGREE EXAMINATION – DECEMBER 2007

SUBJECT: BIO – ENGINEERING

Saturday, December 15, 2007

Time: 1½ Hrs.

Max. Marks: 40

Answer ALL questions. Draw diagrams and flow charts wherever appropriate.

1. Describe the checkout procedures of an Above Elbow Prosthesis. Explain the arm motions to operate the Terminal Device.

Health Sciences Library

(7+3 = 10 marks)

2. Describe the parts of KAFO. Write the indications of a KAFO.

(8+2 = 10 marks)

3. Describe the various socket design options for Below Knee Stump with indications of each design.

(5 marks)

4. Write short notes on any **THREE** of the following:

(5×3 = 15 marks)

4A. STEN FOOT.

4B. Milwaukee Brace.

4C. Constant friction knee joint.

4D. Thomas Heel.

