

B.Sc. PROSTHETICS AND ORTHOTICS
(New Syllabus 2013-2014)

THIRD YEAR

PAPER III – MOBILITY AND REHABILITATION AIDS

Q.P. Code: 802453

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on: **(3 x 10 = 30)**

1. Write in detail about walking aids.
2. Draw and describe about wheel chair.
3. Compare the manual wheel chair with powered wheel chair.

II. Write notes on: **(8 x 5 = 40)**

1. What is the features and benefits of sitting upright in a wheel chair?
2. Explain seat cushions and pressure relief techniques.
3. Measurement and fabrication of box seat.
4. Method of transfer technique in a wheel chair.
5. Write about crutches.
6. Safety features in a wheel chair.
7. Drive control mechanisms in a powered wheel chair.
8. Gait pattern of auxiliary crutches.

III. Short answers on: **(10 x 3 = 30)**

1. Explain about tricycles.
2. What is cane gait and walker gait?
3. Write about Head rest.
4. What is gutter walker?
5. Write about molded seats.
6. Write about some assistive devices for SCI patients.
7. Motorized tricycles.
8. Delayed milestone.
9. Standing and tilting frame.
10. How you design mobility aid for asymmetrical leg length?
