

[LJ 0816]

AUGUST 2016

Sub. Code :2442

**B.Sc. PROSTHETICS AND ORTHOTICS
FOURTH YEAR
PAPER II – ORTHOTIC SCIENCE – IV**

Q.P. Code: 802442

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on:

(3 x 10 = 30)

1. Explain about Boston Brace.
2. Biomechanics of Knight Taylor Brace.
3. Cervical Halo Brace parts and functions.

II. Write notes on:

(8 x 5 = 40)

1. Biomechanics of Milwaukee Brace.
2. Explain about Intervertebral Disc.
3. Orthotic Management for Scoliosis.
4. Boston Brace Trimlines.
5. Spinal Orthosis checkout Procedure.
6. Prescription criteria for Thoracolumbosacral Orthosis (TLSO).
7. Draw sketch of a Typical Vertebrae and mention its parts.
8. Corsets Placement and functions.

III. Short answers on:

(10 x 3 = 30)

1. Soft Cervical Collar Measurement.
2. Knight Taylor Brace Diagram and Parts.
3. Types of Cervical Poster Appliance.
4. What is Kyphosis?
5. How to measure Cobb's Angle?
6. Pelvic Girdle.
7. Cervical Vertebrae.
8. Cow horn brace.
9. Anterior Hyperextension Control Brace.
10. What is Torticollis?
