

[LN 0818]

AUGUST 2018

Sub. Code: 2442

BACHELOR IN 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 scoliosis and orthotic treatment methods.
2. Prescription criteria of spinal orthosis.
3. Explain different types of TLSO brace.

II. Write notes on:

(8 x 5 = 40)

1. Draw sketch of a Typical Vertebrae and mention its parts.
2. How to measure Cobb's Angle?
3. Milwaukee Brace Parts and functions.
4. Spinal Orthosis checkout Procedure.
5. Explain about intervertebral disc.
6. Write about poster orthosis.
7. Biomechanical functions of spinal orthosis.
8. Explain about Philadelphia collar.

III. Short answers on:

(10 x 3 = 30)

1. Pelvic band.
2. What is kinesthetic reminder?
3. What is lordosis?
4. What is spondylosis?
5. What is SOMI?
6. Contraindications of Philadelphia collar.
7. What are the positive effects of spinal orthosis?
8. Contraindication of Boston brace.
9. What is the function of trochanteric pad?
10. What is abdominal corset?
