

[LL 0817]

AUGUST 2017

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 for different level curvature of scoliosis.
2. Write about biomechanics of spine.
3. Explain about HALO brace parts and functions.

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

1. Negative effects of spinal orthosis.
2. What is SOMI brace? Explain.
3. Write about Sagittal and coronal control lumbosacral orthosis.
4. Functions and trim lines of pelvic girdle in Milwaukee brace.
5. Explain about cob's angle and Ferguson's method.
6. Explain about Jewett TLSO brace.
7. Biomechanics of Milwaukee Brace.
8. Explain about C and S curve.

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

1. What is spinal realignment?
2. What is Laminectomy?
3. What is discectomy?
4. What is the placement and function of thoracic pad?
5. Indication for William lumbosacral brace.
6. What is Torticollis?
7. Functions of poster orthosis.
8. Functions of vertebral column.
9. Curvature of spine.
10. Contraindication of soft cervical orthosis.
