

[LK 0217]

FEBRUARY 2017

Sub. Code :2435

**B.Sc. PROSTHETICS AND ORTHOTICS
THIRD YEAR
PAPER V – ORTHOTICS SCIENCE – III**

Q.P. Code: 802435

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on:

(3 x 10 = 30)

1. Describe in detail the types of hand grasp and prehension.
2. Describe briefly about Wrist Driven Flexor hinge splint.
3. Write down the different orthotic management of Claw hand deformity.

II. Write notes on:

(8 x 5 = 40)

1. PAN cake splint.
2. Classify the upper extremity splinting.
3. Write a note on Long opponens hand splint.
4. Functional Hand Splint.
5. Intrinsic Minus Position.
6. Mallet finger and its management.
7. Carpal tunnel syndrome and its orthotic management.
8. Lateral Epicondylitis and its orthotic management.

III. Short answers on:

(10 x 3 = 30)

1. Static WHO.
2. Boutonniere deformity.
3. Lumbrical Bar.
4. C-Bar.
5. L.P. Joint stabilizer.
6. Explain in brief intrinsic and extrinsic muscles of the hand.
7. Write down the functions of Outrigger.
8. Draw a leveled diagram showing different sections of a palmar piece.
9. Short opponens hand splint.
10. FES.
