

[LN 0818]

AUGUST 2018

Sub. Code: 2435

B.Sc. PROSTHETICS & 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. Categories of upper limb orthosis and give two examples of each category.
2. What is feeder? How to install a ball bearing supportive type feeder?
3. How to fit a locking joint functional arm brace with elastic flexion assist?

II. Write notes on:

(8 x 5 = 40)

1. Wrist mobilization orthosis.
2. Indication and functions of arm sling or shoulder orthosis.
3. S.E.W.O (shoulder abduction) indication and functions.
4. Elbow wrist forearm orthosis (sugar- tong).
5. Assistive device – button hook.
6. Dynamic MCP extension assists orthosis.
7. Short opponens splints.
8. P.S.E.W.H.O. functions with diagram.

III. Short answers on:

(10 x 3 = 30)

1. Tenodesis orthosis indication.
2. What is swan neck ring?
3. MCP mobilization orthosis function.
4. What is ulnar tunnel syndrome?
5. What is schenck splint?
6. Finger orthosis indications.
7. What is functional position?
8. What is tennis elbow?
9. Advantages of functional orthosis.
10. What is smith fracture?
