

BACHELOR IN 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. Explain about finger driven flexor hinge splint fabrication procedure.
2. Write any three special assistive devices.
3. Write the influences of FES in upper extremity orthosis.

II. Write notes on:

(8 x 5 = 40)

1. General principles of upper extremity orthosis.
2. Indication, functions and bio-mechanics of clavicular orthosis.
3. What is spring swivel thumb?
4. Flexion assist MCP dynamic splint.
5. How to make T- bar for a feeder?
6. Assistive device – button hook.
7. What is Wilmer shoulder orthosis?
8. Fracture braces of upper limb.

III. Short answers on:

(10 x 3 = 30)

1. What is C- bar?
2. What is Thomas suspension splint?
3. What is claw hand?
4. What is tenodesis splint?
5. What is thumb post?
6. Uses of static upper limb orthosis.
7. Bio-mechanics of orthosis.
8. What is plate guard?
9. What is tennis elbow?
10. What is ulnar dysplasia?
