

[AHS 0321]

MARCH 2021

Sub. Code: 2475

(AUGUST 2020 EXAM SESSION)

BACHELOR IN PROSTHETICS AND ORTHOTICS**THIRD YEAR (Regulation 2017-2018)****PAPER V – PROSTHETIC SCIENCE - III****Q.P. Code : 802475****Time: Three hours****Answer ALL Questions****Maximum: 100 Marks****I. Elaborate on:****(3 x 10 = 30)**

1. Briefly explain about upper limb myoelectric prosthesis.
2. Checkout of elbow disarticulation prosthesis.
3. Fabrication procedure of transradial prosthesis.

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

1. Functional Electric Stimulation.
2. Flexion wrist unit.
3. APRL-Sierra Hook
4. Utah arm.
5. Ball and socket shoulder joint.
6. Prehension Pattern.
7. Neuroprosthesis.
8. Dual control cable system.

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

1. Mitts.
2. Difference between voluntary opening and voluntary closing han
3. Base plate retaine
4. Forearm lift lever loop.
5. Harness for shoulder disarticulation prosthesis.
6. Elbow lock billet.
7. Controlle
8. Sauter socket.
9. Centri Electric han
10. Krukenberg Amputation.
