

Fourth Year Bachelor in Prosthetics & Orthotics Examination**Prosthetic - IV****Date : 23-07-2019, Tuesday]****[Max. Marks : 100****[Time : 3 Hours**

- Instructions :** (1) Figure to the right indicates marks.
 (2) Draw diagram wherever necessary.
 (3) Write legibly.
 (4) Use separate answer books for each section.

SECTION I

- 1 Describe the measurement, casting and fabrication procedure of Bil. lower limb amputee (rt. transfemoral and left knee disarticulation). The patient does not have good skin condition. **20**

OR

- 1 Describe the management and prescription criteria for bilateral amputee considering both upper and lower limb amputee at various levels. **20**

- 2 Write short notes on (any **two**) : **16**
 (a) Four bar linkage knee joint has inherent mechanical stability, justify.
 (b) Different types of endoskeletal prosthetic feet and their prescription criteria.
 (c) Write a brief on congenital limb deficiency.

- 3 Write short notes on (any **two**) : **14**
 (a) Write a brief on research on lower limb Prosthetics.
 (b) Different types of sockets for hip disarticulation prosthesis.
 (c) Write a brief on rehabilitation without prosthesis.

SECTION II

- 4 Describe the checkout procedure for Bil. L/L prostheses (one Trans tibial and another transfemoral). **20**

OR

- 4 Describe the management and prescription criteria for a limb deficient child. **20**

- 5 Write short notes on (any **two**) : **16**
 (a) Write a brief on bilateral stubbies.
 (b) Describe a brief on prostheses for sports and recreations.
 (c) Analyse through hip gait and deviations.

- 6 Write short notes on (any **two**) : **14**
 (a) Immediate prosthetic management and its advantages.
 (b) Describe a brief on component selection for bilateral lower limb amputee.
 (c) Describe a brief on socket designs for translumbar amputation.

Fourth Year Bachelor in Prosthetics & Orthotics Examination
Orthotics - IV

Date : 25-07-2019, Thursday]
[Time : 3 Hours

[Max. Marks : 100

- Instructions :** (1) Figure to the right indicates marks.
(2) Draw diagram wherever necessary.
(3) Write legibly.
(4) Use separate answer books for each section.

Section – I

Q-1 Describe Scheuermann's Kyphosis and its orthotic management (20 marks)
Or
Discuss the Non Surgical treatment of Spinal Trauma.

Q-2 Write Short Notes (any two.) (16 Marks)
a. Kyphoscoliosis
b. Orthotic management for Lumbar Fracture
c. What is Rosenberger orthosis, explain it

Q-3 Write Short Notes (any two.) (14 Marks)
a. Cervical Collar
b. SOMI Brace
c. Kalibus Splint

Section – II

Q-4 Describe Principle & Component of Orthosis for Spinal deformity (20 Marks)
Or
Define Low Back and its Orthotic Management

Q-5 Write Short Notes (any two) (16 Marks)
a. Philadelphia Collar
b. Providence Brace
c. Explain RVAD

Q-6 Write Short Notes (any two.) (14 marks)
a. Orthotic Management for Osteoporosis
b. Minerva Brace
c. Yale Brace
