



MX-10604

Seat No. _____

Fourth Year B. Physiotherapy Examination

January - 2018

Physiotherapy & Rehabilitation Therapy

Time : **2 Hours]**

[Total Marks : 50

- Instructions :** (1) The answers should be specific to the questions asked.
(2) Draw neat labelled diagram wherever necessary.
(3) Answer all the questions.

- 1 Long essay : (answer any two) 2×10=20**
(1) Explain in details about rehabilitation team members and their roles.
(2) Describe the details of community based rehabilitation.
(3) Explain in detail about lower limb prosthesis and its application.
- 2 Write in short : (answer any two) 2×5=10**
(1) Claw hand
(2) Types of prosthesis
(3) Milwaukee brace
- 3 Write in short : (answer any five) 5×2=10**
(1) Patellar tendon prosthesis
(2) SACH foot
(3) Phantom pain
(4) Air splints
(5) SOMI brace
(6) Symes prosthesis.

- 4 Multiple choice questions : **10×1=10**
1. Which of the Newton's law do we use for manufacturing the orthosis ?
 - (A) Law I
 - (B) Law II
 - (C) Law III
 - (D) None of the above
 2. Which plastic is commonly used in prefabricated AFOs?
 - (A) polypropylene
 - (B) polyethelene
 - (C) transpolyisoprene
 - (D) polycapriolactone
 3. Integumentary system means
 - (A) Skin
 - (B) CNS
 - (C) Endocrine
 - (D) Reproductive
 4. During ambulation using a transfemoral prosthesis, a patient raises his entire body (vaults) with plantar flexion of the sound foot during the swing phase of the prosthetic extremity. To decrease the vaulting, you should
 - (A) Lengthen the prosthesis
 - (B) Tighten the socket suspension
 - (C) Add a knee extension aid
 - (D) Set the prosthetic foot in a few more degrees of plantar flexion
 5. This term describes motion relative to the force that produces.....
 - (A) Kinetics
 - (B) Kinematics
 - (C) Viscosity
 - (D) Vector
 6. Contraindication for splinting
 - (A) Compartment syndrome
 - (B) Arthritis
 - (C) Deformity
 - (D) All of the above

7. Figure of eight brace useful for
 - (A) Colle's fracture
 - (B) Clavicle fracture
 - (C) Fracture neck of femur
 - (D) None of the above
 8. According to World Health Organization (WHO) classification, an example of an impairment is
 - (A) Ischemic brain damage
 - (B) Weakness of one arm
 - (C) Loss of ability to get dressed
 - (D) Need for an ankle foot orthosis for walk
 9. Tripoint splint used for
 - (A) Swan neck deformity
 - (B) Mallet finger
 - (C) Erb's palsy
 - (D) All of the above
 10. Indication for denis brown splint
 - (A) CTEV
 - (B) Ankle sprain
 - (C) CHD
 - (D) All of the above.
-