



**DCO-202111**

Seat No. \_\_\_\_\_

**Final Year B. Physiotherapy Examination**

**July - 2022**

**Community Based Rehabilitation & Ethics**

*(Bio-Engineering-II) (New Course)*

Time : Hours]

[Total Marks : 80

- Instructions :** (1) Answer should be brief and to the point.  
(2) Figures on right side Indicate marks.

**SECTION-I**

- 1** Long Essay : (any **one**) **10**  
(a) Describe in detail about postnatal exercise.
- OR**
- (b) Write in detail about ethical principles related to physiotherapy.
- 2** Write short notes : (any **three**) **15**  
(a) Define evidence based practice and documentation.  
(b) What is psychological hazards ?  
(c) Mal-practice.  
(d) Role of physiotherapy in geriatric population.
- 3** Answer in Short : (any **five**) **15**  
(a) PT management for osteoporosis.  
(b) Pelvic floor strengthening exercises.  
(c) Write the names of common nutritional disorder in children.  
(d) Difference between CBR and IBR.  
(e) Define confidentiality and responsibility.  
(f) Write any 3 overuse injuries that occur due to ergonomic alteration and mechanical stress.

## SECTION - II

- 4 Long Essay : (any **one**) **10**
- (1) Define prosthesis and list the different types of lower limb prosthesis and explain in detail about the design, merits, demerits of Syme's prosthesis.
  - (2) Define orthosis and describe in details about the construction and indications of various spinal orthosis commonly used for cervical, thoracic and lumbar spinal level.
- 5 Write short notes : (any **three**) **15**
- (1) Biomechanical principles of lower limb orthosis.
  - (2) Write wheel chair prescription for patient with complete spinal cord injury at C5 level.
  - (3) Various level of amputation in Upper limb.
  - (4) Write various types of ankle foot orthosis (AFOs).
- 6 Answer in Short : (any **five**) **15**
- (1) Phantom limb pain.
  - (2) Splints used for radial nerve palsy.
  - (3) Features of ideal amputation stump.
  - (4) Explain dynamic and static splint.
  - (5) Pre prosthetic training for above knee amputation.
  - (6) Airplane splint.
-