



**PBE-10605**

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

**Fourth Year B. Physiotherapy Examination**

**September - 2020**

**P. T. in Musculoskeletal Conditions**

*(Old Course)*

Time : **3 Hours**]

[Total Marks : **100**

- Instructions :** (1) Answers should be brief the point.  
(2) Draw neat labeled diagrams wherever necessary.  
(3) Each section should be written in separate answer books.

**SECTION - I**

- 1** Write Long essay: (Any two) **20**
- (a) Definition, signs and symptoms, criteria for diagnosis and physiotherapy management of subacute and chronic stages of Rheumatoid Arthritis.
  - (b) Write in detail about physiotherapy management of Cervical Spondylosis.
  - (c) Definition, causes classification diagnosis, conservative and surgical management of congenital talipes equino varus (CTEV).
- 2** Write Short Essay: (Any two) **10**
- (a) Perthe's disease.
  - (b) Define Any 5 common hand & finger deformities.
  - (c) Special test to rule out the shoulder impingement syndrome and rotator cuff tendinitis.
- 3** Write Short Note : (Any Five) **10**
- (a) Lateral epicondylitis
  - (b) Piriformis syndrome
  - (c) Ober's test
  - (d) Cervical rib
  - (e) Stages of PIVD.
  - (f) Meralgia paraesthesia

4 Multiple Choice Questions: (Compulsory) 1x10=10

- (1) Education about correct use of body mechanics at home, at school and at work place known as \_\_\_\_\_
  - (a) biomechanics
  - (b) Ergonomics
  - (c) Work physiology
  - (d) Kinesiology
- (2) Classification of muscle fibers are \_\_\_\_\_
  - (a) Type I(Phasic)
  - (b) type II(tonic)
  - (c) a and b
  - (d) All
- (3) Abnormal end feel except \_\_\_\_\_
  - (a) Empty
  - (b) Boggy
  - (c) Bony
  - (d) Springy
- (4) Hand volume test done for to assess \_\_\_\_\_
  - (a) hand swelling
  - (b) generalized edema and atrophy
  - (c) a and b
  - (d) Muscle weakness.
- (5) The capsular pattern of glenohumeral joint \_\_\_\_\_
  - (a) lateral rotation, abduction medial rotation
  - (b) lateral rotation, adduction medial rotation
  - (c) lateral rotation, flexion, medial rotation
  - (d) lateral rotation,medial rotation
- (6) 'Prone knee bend test' to assess the tightness of \_\_\_\_\_
  - (a) Piriformis
  - (b) Rectus femoris
  - (c) Gluteus medius
  - (d) Gluteus maximus
- (7) The "SPADI" functional scale used to assess the functional disability of \_\_\_\_\_
  - (a) Knee
  - (b) elbow
  - (c) Hip
  - (d) Shoulder
- (8) Muscle action during 'Terminal stance phase' in gait cycle
  - (a) Gastrocnemius and Solus
  - (b) Tibialis posterior
  - (c) Tibialis anterior
  - (d) Hamstrings
- (9) Egawa's sign is positive in \_\_\_\_\_
  - (a) Ulnar nerve palsy
  - (b) Median nerve palsy
  - (c) Radial nerve palsy
  - (d) Distal branch of median nerve palsy
- (10) In female normal range of erythrocyte sedimentation rate (ESR) is \_\_\_\_\_
  - (a) 0-10 mm/hour
  - (b) 0-15 mm/hour
  - (c) 0-20 mm/hour
  - (d) 0-30 mm/hour

## SECTION-II

- 5 Write Long essays (any 2 ) **10x2=20**
- (a) Write about clinical aspects and physiotherapy management in recurrent dislocation of the shoulder.
  - (b) Physiotherapy management following Excisional Arthroplasty of Right Hip joint.
  - (c) Physiotherapy management after Anterior cruciate ligament (ACL)reconstruction.
- 6 Short Essay (2 out of 3) **5x2=10**
- (a) Types, based on grades of sprain write management of Ankle sprain.
  - (b) Physiotherapy management of spondylolisthesis.
  - (c) Physiotherapy management after surgery in fracture shaft of Humerus.
- 7 Write short note: (any five) **2x5=10**
- (1) Define CDH.
  - (2) Pott's fracture
  - (3) McMurray test
  - (4) Grades of Maitland mobilization.
  - (5) Common indications of amputation.
  - (6) Define Kinesio taping
- 8 Multiple Choice Questions (**Compulsory**) **1x10=10**
- (1) "SLAP" Lesion is classified in to \_\_\_\_\_
    - (a) Type 1
    - (b) Type 1 & 2
    - (c) Type 1 to 4
    - (d) only B
  - (2) In bellow mentioned all are superficial reflex Except \_\_\_\_\_
    - (a) Biceps reflex
    - (b) Upper abdominal reflex
    - (c) Lower abdominal reflex
    - (d) Gluteal reflex
  - (3) Lateral pelvic shift is \_\_\_\_\_
    - (a) side to side movement of the pelvis during walking
    - (b) Vertical pelvic shift
    - (c) Pelvic tilt
    - (d) Pelvic rotation

- (4) The other terminology for 'Initial contact' in stance phase of the gait \_\_\_\_\_
- (a) Load response                      (b) Heel strike  
(c) Midstance                              (d) Heel off
- (5) Jammer dynamometer used to assess the \_\_\_\_\_
- (a) Pinch strength                      (b) lateral prehension  
(c) Grip strength                         (d) All
- (6) The gait involves a characteristic of " Backward lurch of the trunk" resulting of a \_\_\_\_\_
- (a) Gluteus medius                      (b) Quadriceps  
(c) Gluteus maximus                      (d) Hip adductors
- (7) The function of the quadratus lumborum(QL) is \_\_\_\_\_.
- (a) Spinal Flexion  
(b) Pelvic hiking and side bending of the spine  
(c) Contributes rotation of the spine  
(d) All of the above
- (8) Laminectomy defines \_\_\_\_\_
- (a) It is the surgical removal of lamina  
(b) It is anterior cervical disc fusion  
(c) It is fusion of vertebra  
(10) All of the above
- (9) Plank (superman) exercise is used in \_\_\_\_\_
- (a) Core stability                      (b) Relaxation  
(c) Resistance type                      (d) All of the above
- (10) For deep segmental muscle activation the bellow device is used.....
- (a) Theraband                              (b) Elastic band  
(c) Weight cuffs                              (d) Biofeedback pressure cuff
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