



**MS-10605**

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

**Fourth Year B. Physiotherapy Examination**

**July - 2016**

**Physiotherapy In Musculoskeletal Conditions**

Time : 3 Hours]

[Total Marks : 100

- Instructions :**
- (1) Write legibly.
  - (2) Write to the point.
  - (3) Draw the diagrams wherever necessary.
  - (4) Each section should be written in separate main answer books.

**SECTION - I**

- 1 Long Essay : (2 out of 3) **2×10=20**
- (1) Discuss the Physiotherapy Management of 65 year old female who underwent Right side Total Knee Replacement.
  - (2) A 30 year old man complains of pain over Left shoulder for past 4 months. Difficulty in combing and removing the shirts. Shoulder elevated and tenderness over the joint line. Describe the assessment in detail and plan the Physiotherapy management.
  - (3) Write the assessment and Physiotherapy management for a 12 year old male patient with supracondylar fracture of left side humerus.

**2 Short Essay (2 out of 3) 2×5=10**

- (1) Patella dislocation and its Physiotherapy management.
- (2) Discuss various tests and management for Median Nerve Injury.
- (3) Stages of Complex Regional Pain Syndrome and its Physiotherapy Management.

**3 Write in short : (5 out of 6) 5×2=10**

- (1) Classification for nerve injuries
- (2) Q-angle
- (3) Trigger finger
- (4) Cobb's angle
- (5) Forment's sign
- (6) Scober's test.

**4 Multiple choice questions : 10×1=10**

- (1) Immediate (Early) weight bearing can be started with:
  - (a) Cemented total hip replacement
  - (b) Uncemented total hip replacement
  - (c) Hybrid total hip replacement
  - (d) None of the above
- (2) Fracture of proximal ulna with head of radius dislocation is called as
  - (a) Monteggia fracture
  - (b) Galazzei fracture
  - (c) Smith's fracture
  - (d) Colle's fracture

- (3) Knuckle-bender splint is used in case of
- (a) Foot drop
  - (b) Wrist drop
  - (c) Claw hand
  - (d) Swan neck deformity
- (4) In above knee amputee stump common deformity of hip joint
- (a) Flexion
  - (b) Flexion - Abduction
  - (c) Adduction
  - (d) Flexion - Adduction
- (5) Which muscle is at mechanical disadvantage following Patellectomy ?
- (a) Quadriceps
  - (b) Hamstrings
  - (c) Iliopsoas
  - (d) Gastrocnemius
- (6) Tuberculosis of spine is known as
- (a) Scurmann's disease
  - (b) Perthes disease
  - (c) Frieberg disease
  - (d) Pott's disease
- (7) Exaggerated lordosis is because of
- (a) Anterior pelvic tilt
  - (b) Posterior pelvic tilt
  - (c) Dropping of shoulder
  - (d) Reduced Q-angle

- (8) Dupuytren's contracture is fibrosis of
- (a) Palmar fascia
  - (b) Plantar fascia
  - (c) Iliotibial fascia
  - (d) Sartorius fascia
- (9) Mallet finger results from avulsion of
- (a) Flexor digitorum superficialis
  - (b) Flexor digitorum profundus
  - (c) Extensor digitorum
  - (d) None of the above
- (10) A positive impingement sign indicates an overuse injury to the tendon of
- (a) Supraspinatus
  - (b) Infraspinatus
  - (c) Teres Major
  - (d) Teres Minor

## SECTION - II

- 5** Long Essay : (2 out of 3) **2×10=20**
- (1) Discuss the Physiotherapy plan for a 28 year old female having Right Posterolateral disc lesion at L5-S1 junction.
  - (2) A 35 year old male having right side colles' fracture. Write the assessment and Physiotherapy management in detail.
  - (3) Write the Physiotherapy management for a 55 year old female having fracture neck of femur.

- 6 Short Essay : (2 out of 3) 2×5=10**
- (1) Carpal tunnel syndrome and its Physiotherapy management
  - (2) Explain in brief about Physiotherapy management of CTEV
  - (3) Complications of Fracture shaft humerus and its Physiotherapy Management.
- 7 Write in short : (5 out of 6) 5×2=10**
- (1) Flexion bias in spine
  - (2) Dequervain's disease
  - (3) Trendelenberg sign
  - (4) Criteria for diagnosis of rheumatoid arthritis
  - (5) Tests for Tennis elbow
  - (6) Foot drop.
- 8 Multiple choice questions : 10×1=10**
- (1) The movements are to be restricted following Hip replacement are :
    - (a) Adduction, External rotation, Extension
    - (b) Adduction, Flexion, Internal rotation
    - (c) Abduction, Internal rotation, Flexion
    - (d) Abduction, External rotation, Extension
  - (2) Ape thumb deformity is present due to which nerve injury ?
    - (a) Ulnar nerve
    - (b) Median nerve
    - (c) Radial nerve
    - (d) Sciatic nerve
  - (3) The gluteus medius and minimus weakness leads to\_\_\_\_\_.
    - (a) Trendelenburg gait
    - (b) Circumduction gait
    - (c) Backward lurching gait
    - (d) Antalgic gait

- (4) \_\_\_\_\_ test is used for assessment of supraspinatus lesion.
- (a) Drop arm
  - (b) Yergason's
  - (c) Lift off
  - (d) Spring back
- (5) Von Rosen's splint is used in treatment of
- (a) CTEV
  - (b) CDH
  - (c) Torticollis
  - (d) None of above
- (6) Which of the following muscle is referred to as the corset muscle owing to its primary function of increased intraabdominal pressure ?
- (a) Quadratus Lumborum
  - (b) Erector spinae
  - (c) Transversus abdominis
  - (d) Splenius capitis and splenius cervicis
- (7) Sign of DVT is \_\_\_\_\_.
- (a) Edema of ankle and foot
  - (b) Pain and Tenderness on medial aspect of lower calf
  - (c) Positive Homan's sign
  - (d) All of the above
- (8) In case of right side Torticollis, which neck position will stretch the affected muscle?
- (a) Right side flexion & left side rotation
  - (b) Right side rotation & left side flexion
  - (c) Right side flexion & right side rotation
  - (d) Left side flexion & left side rotation

- (9) Radiological finding of Bamboo spine is a feature of
- (a) Ankylosis spondylosis
  - (b) Rheumatoid arthritis
  - (c) Osteoarthritis
  - (d) Scoliosis
- (10) Integrity of Achilles tendon can be checked by
- (a) Thompson test
  - (b) Homan's sign
  - (c) Too many toes sign
  - (d) Thomas test
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