

**TILAK MAHARASHTRA VIDYAPEETH, PUNE**  
**BACHELOR OF PHYSIOTHERAPY ( B. P. T.)**  
**EXAMINATION : JULY - 2022**  
**FOURTH YEAR**

**Subject: Physiotherapy in Orthopedics (BPT -401)**

**Date: 11/07/2022**

**Total Marks: 80**

**Time: 10.00 am to 1.00 pm**

**Instructions:**

- To answer the Multiple Choice Questions (MCQs) use separate answer sheet provided by the University.
- For answering the Multiple Choice Questions (MCQs) put the tick mark in the respective column.  
A.  B  C  D
- Multiple Choice Questions (MCQs) are to be solved within first 20 minutes of the session.
- Return your answer sheet of Multiple Choice Questions (MCQs) when first 20 minutes' time is over.

**SECTION – A**

**Q.1 Select most appropriate option. (20)**

- Knee Sag sign is seen in which of the following injury?  
a) ACL                      b) PCL                      c) MCL                      d) LCL
- The following are components of Intracapsular Femur Except  
a) Basal                      b) Axial                      c) Subcapital                      d) Transcervical
- Empty Can test is Used for diagnosing  
a) Bicipital Tendonitis                      b) Cervical Radiculopathy                      c) Trigger Finger                      d) Shoulder Impingment
- Maudsley's Test is used in  
a) Jumpers Knee                      b) Lateral Epicondylitis                      c) Shin Splints                      d) CRPS
- Bundles of ACL consists of  
a) anterolateral and posteromedial                      b) Anteromedial and Posterolateral                      c) anterior and posterior                      d) medial and lateral
- Kobb's Angle is used to measure  
a) Kyphosis                      b) Sacroilitis                      c) Scoliosis                      d) Facetal Joint Dysfunction
- Patient with complaints of left sided radiating pain to posterior thigh will be categorized into \_\_\_\_\_  
a) Postural                      b) Dysfunction                      c) Derangement                      d) None of the above
- Most common joint affected in septic arthritis is  
a) Knee joint                      b) Sternoclavicular joint                      c) Acromioclavicular joint                      d) Zygapophyseal joint
- Protrusion with complete rupture of annulus allowing the nucleus to bulge into the neural canal is referred as  
a) herniation                      b) extrusion                      c) sequestration                      d) noncontained disc
- t Score is Exclusively seen to diagnose  
a) Osteoporosis                      b) Osteoarthritis                      c) Septic Arthritis                      d) TB Spine
- Trendelenburg's sign indicates weakness in ..... muscle.  
a) Gluteus maximus                      b) Rectus femoris                      c) Iliotibialband                      d) Adductor longus
- Greenstick fracture is seen in \_\_\_\_\_  
a) Children                      b) Adults                      c) At any age                      d) Elderly
- Foot drop results in . \_\_\_\_\_ type of gait.  
a) High steppage gait                      b) Circumduction gait                      c) Waddling gait                      d) Antalgic gait

- 14) Ober's test assesses \_\_\_\_\_ muscle contracture  
 a) Hamstrings                      b) Rectus femoris                      c) Quadriceps                      d) Illo Tibial Band
- 15) Kellgren- Lawrence grading system for osteoarthritis defines Grade II as  
 a) Possible osteophytic lipping                      b) Definite osteophytes                      c) Moderate multiple osteophytes                      d) Large osteophytes
- 16) In golfer's elbow there is inflammation around  
 a) lateral epicondyle of humerus                      b) medial epicondyle of humerus                      c) radial styloid process                      d) ulnar styloid process
- 17) Uncemented THR patients can walk after  
 a) stitch removal                      b) 3 weeks                      c) 6weeks                      d) 3 months
- 18) Mobilizing exercise in dysfunction is given in the direction of  
 a) Movement that produces pain                      b) Opposite to the movement that produces pain                      c) Both a and b                      d) None of the above
- 19) These factors increase risk of osteoporotic fracture  
 a) High bone mineral density                      b) Reduced body weight                      c) High lean mass                      d) Poor Muscle Strength
- 20) All of the following are true concerning scoliosis except  
 a) 15 degree to 20 degree curve is mild curve                      b) Bracing is an effective treatment tool                      c) Scoliosis is named by the direction of concavity                      d) Early detection is essential

### SECTION – B

**Q.2 Write short notes on (Any Five) (15)**

1. Enumerate Six Indications for Total Hip Replacement
2. Write any 3 Special tests for ACL injury
3. Mention Briefly the stages of CRPS
4. Enumerate Implants used for ICNF Fracture
5. Mention in brief the stages of PIVD
6. Enumerate any 3 Tests for Diagnosis of Septic Arthritis

**Q.3 Write short notes on (Any Three) (15)**

1. Write a short note on Physiotherapy Management of Osteoporosis
2. Mention in detail the Management of Kyphosis
3. Write in Detail the Pathology, Special Tests and management of Tennis Elbow
4. Write a note on Ankylosing Spondilitis and its Physiotherapy Management

### SECTION – C

**Q.4** A 25 Year old Housemaid comes to the clinic with complaints of Painful Movements of Elbow while washing and wringing clothes. On evaluation, She has a positive Mill's Test. Write Functional Diagnosis, ICF and PT Management for the same (15)

**Q.5** A 45 Year old Male comes to the hospital complaining of Pain in the low Back Radiating to Right Lower Limb. MRI reveals a Postero-Lateral Disc Bulge of L4- L5 vertebra. Write Functional Diagnosis, ICF and PT Management for the same (15)

**OR**

**Q.5** A 25 year old Professional Rifle Shooter is admitted post Surgery of Type 2 Clavicle Fracture. You are evaluating the patient on Post Op. Day 12. Write Functional Diagnosis, ICF and PT Management for the same