



BRAINWARE UNIVERSITY

Term End Examination 2024-2025

Programme – B.Physiotherapy-2021

Course Name – Physiotherapy in Orthopedic, Traumatology and Sports Conditions

Course Code - BPTC701

(Semester VII)

Full Marks : 60

Time : 2:30 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A

(Multiple Choice Type Question)

1 x 15=15

1. Choose the correct alternative from the following :

- (i) Select the deformity seen in derangement 7
 - a) Scoliosis.
 - b) Accentuated lumbar lordosis.
 - c) Kyphosis.
 - d) Sciatic Scoliosis.
- (ii) Select the movement is limited due to the contracture of posterior capsule of shoulder joint.
 - a) Shoulder adduction and internal rotation
 - b) Extension
 - c) Abduction
 - d) Circumduction
- (iii) Select the correct answer: McMurry test is perform in order to rule out
 - a) PCL injury.
 - b) Meniscus injury.
 - c) ACL injury.
 - d) LCL injury.
- (iv) Select the feature of UMN lesion
 - a) Flaccidity
 - b) Fasciculation
 - c) Disuse atrophy
 - d) Areflexia
- (v) Identify a common orthopedic surgery to treat a damaged or torn ligament in the knee
 - a) Hip replacement
 - b) ACL reconstruction
 - c) Spinal fusion
 - d) Carpal tunnel release
- (vi) Select common side effect of long-term corticosteroid use in the context of osteoporosis
 - a) Increased bone density
 - b) Decreased risk of fractures
 - c) Osteonecrosis
 - d) Enhanced calcium absorption
- (vii) Identify condition is characterized by chronic pain, swelling, and skin changes in the affected area after a shoulder injury
 - a) Impingement Syndrome
 - b) Ruptured Extensor Tendon

- c) Reflex Sympathetic Dystrophy (RSD) d) Carpal Tunnel Syndrome
- (viii) Choose in the following that is not a primary classification of orthoses and prostheses in bio-engineering
- a) Upper Extremity b) Lower Extremity
- c) Spinal d) Dental
- (ix) Determine the following is true regarding the spondylolisthesis.
- a) Slipping of S1 over L5 b) Posterior arch defect
- c) Congenital defect d) More in pregnancy
- (x) Indicate beheaded Scottish terrier sign is seen in
- a) Disc prolapse b) Sacralization of L5
- c) Spondylosis d) Spondylolisthesis
- (xi) Choose the Dupuytren's contracture is fibrosis of -
- a) Palmar fascia b) Sartorius
- c) Forearm muscle d) None of these
- (xii) Select the most common dislocation of shoulder joint
- a) Anterior b) Posterior
- c) Inferior d) Superior
- (xiii) Identify the condition which can be caused by lunate dislocation
- a) Median nerve injury b) Ulnar Nerve Injury
- c) Radial nerve injury d) Axillary nerve injury
- (xiv) Name the condition where a vertebra slips forward instead of backward, opposite to the usual direction in spondylolisthesis
- a) Retrolisthesis b) Hyperlordosis
- c) Anterolisthesis d) Kyphosis
- (xv) Select the test is commonly used to diagnose De Quervain's disease
- a) Tinel's sign b) Phalen's test
- c) Finkelstein's test d) Drop arm test

Group-B

(Short Answer Type Questions)

3 x 5=15

2. Explain the physiotherapy management for coccydynia. (3)
3. Explain the parts of the transfemoral prosthesis. (3)
4. Describe the investigation findings in osteoporosis. (3)
5. Illustrate Physiotherapeutic management for scoliosis. (3)
6. Focus on poliomyelitis and include the postural alteration seen in patients with poliomyelitis. (3)

OR

Estimate the deformities seen in patients with leprosy. (3)

Group-C

(Long Answer Type Questions)

5 x 6=30

7. Describe the management of rotator cuff injuries (5)
8. Write a short note on SOAP. (5)
9. Summarize the management of cervical radiculopathy. (5)
10. Classify orthoses and prostheses. (5)
11. Explain the physiotherapeutic management for mechanical low back pain. (5)
12. Analyze the gait deviation associated with transfemoral prostheses. (5)

OR
Organize the physiotherapy management for CTEV.

(5)

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Course Name: B.Sc. in Physiotherapy and Sports Conditioning

Course Code: BPT-702

[Semester VI]

Page No.:

Date:

The student is required to answer the questions in their own words, wherever possible.

Ques:-

What is CTEV?

Ans:-

CTEV is a condition of the spine.

Ques:- What is the cause of CTEV?

Ans:-

1. Trauma

2. Degenerative changes

3. Infection

Ques:- What is the management of CTEV?

Ans:-

1. Conservative management

2. Surgery

3. Physical therapy

4. Medication

Ques:- What is the role of physiotherapy in the management of CTEV?

Ans:-

1. Pain management

2. Functional improvement

3. Prevention of further injury

Ques:- What are the signs and symptoms of CTEV?

Ans:-

1. Pain

2. Swelling

3. Redness

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