

**BACHELOR OF PHYSIOTHERAPY
SEVENTH SEMESTER
PT FOR NON TRAUMATIC ORTHOPAEDIC CONDITIONS
BPT - 702**

**SET
B**

[USE OMR SHEET FOR OBJECTIVE PART]

Duration: 3 hrs.

Full Marks: 70

Time: 30 min.

(Objective)

Marks: 20

Choose the correct answer from the following:

1×20=20

1. Which of the following conditions is most commonly associated with Cervicobrachial Syndrome?
 - a. Rheumatoid arthritis
 - b. Carpal tunnel syndrome
 - c. Cervical disc herniation
 - d. Osteoporosis
2. Post ankle arthrodesis initial cast is changed after how much time?
 - a. Post Op 2 Week
 - b. Post Op 1 Week
 - c. Post Op 4 Week
 - d. Post Op 6 Week
3. Which of the following is the most common treatment method for CTEV?
 - a. Surgery as the first-line treatment
 - b. Ponseti method of serial casting
 - c. Continuous traction
 - d. Physical therapy alone
4. Which muscle is primarily affected in congenital muscular Torticollis?
 - a. Trapezius muscle
 - b. Sternocleidomastoid muscle
 - c. Deltoid muscle
 - d. Latissimus dorsi muscle
5. Which of the following is NOT a typical symptom of Cerebral Palsy?
 - a. Muscle stiffness or spasticity
 - b. Poor balance and coordination
 - c. Progressive decline in motor skills
 - d. Delays in reaching motor skill milestones
6. Choose the wrong statement from the following?
 - a. Dysplastic Spondylolisthesis is common amongst pediatric population
 - b. Isthmic Spondylolisthesis is common amongst young female
 - c. L₄₋₅ is the second most common location of Spondylolisthesis
 - d. Dysplastic Spondylolisthesis female affected more than males
7. If the ankle joint is forcefully inverted in planter flex position which of the following ligament going to get affected most?
 - a. Calcaneofibular ligament
 - b. Posterior talofibular ligament
 - c. Anterior talofibular ligament
 - d. Both a & c
8. Which part amongst the following is most affected by Potts spine?
 - a. Cervical
 - b. Cervicodorsal
 - c. Lumbosacral
 - d. Sacral

9. De Quervains Syndrome affects which structure?
 - a. Extensor Pollicis Longus
 - b. Abductor Pollicis Longus
 - c. Adductor Pollicis Longus
 - d. Extensor Pollicis Brevis
10. "Pencil In Cup" appearance occurs in which of the following disease?
 - a. Gout
 - b. Charcot's Joint
 - c. Rickets
 - d. Psoriatic arthritis
11. What is rachitic rosary?
 - a. Delayed closure of sutures
 - b. Pink rashes over lower chest
 - c. Ribs expands at costochondral junction
 - d. Red lumps over above naval
12. A 45-year-old male patient is recovering from acute Osteomyelitis in the femur. After the infection has been controlled with antibiotics, they are referred to physiotherapy to restore function and strength in the affected limb. Which of the following physiotherapy interventions is most appropriate in the early stages of rehabilitation?
 - a. Aggressive strength training of the affected limb
 - b. Gentle ROM exercises
 - c. High -impact aerobic exercises such as jogging,
 - d. Weight bearing exercises with added resistance
13. External isometric rotation of affected limb following maximum internal rotation provokes pain in Piriformis syndrome patient. Which special test we are talking about?
 - a. The Hughes Test
 - b. Beatty's Test
 - c. FAIR Test
 - d. Freiberg Test
14. Which of the following physiotherapy exercises is most recommended in the early stages of PIVD treatment to reduce pain and prevent worsening of symptoms?
 - a. High-intensity weightlifting exercises
 - b. Core strengthening exercises such as planks and Williams exercise
 - c. Gentle lumbar extensions and mobility exercises
 - d. Core & lumbar flexion mobility exercises
15. Salter Osteotomy is done on which part of the bone?
 - a. Acetabulum
 - b. Iliac bone
 - c. Tibial plateau
 - d. Roof of acetabulum
16. Which of the following is NOT commonly associated with Systemic Lupus Erythematosus (SLE)?
 - a. Photosensitivity
 - b. Butterfly-shaped rash on the face
 - c. Elevated levels of uric acid
 - d. Joint pain and swelling
17. Which nerve supply subacromial bursae?
 - a. Musculocutaneous nerve
 - b. Suprascapular nerve
 - c. Infrascapular nerve
 - d. Both a & b

18. Impingement zone of iliotibial band syndrome is which of the following?
- <90° of knee flexion
 - 45° of knee flexion
 - 60° of knee flexion
 - <30° of knee flexion
19. Which is the most common complication post ankle arthrodesis?
- Subtalar arthritis
 - Infection
 - Vascular disease
 - All of the above
20. A 70-year-old patient with back pain, leg pain and numbness that worsens with walking and is relieved by sitting or leaning forward. This presentation is most consistent with:
- Lumbar radiculopathy
 - Cauda equina syndrome
 - Sciatica
 - Spinal canal stenosis

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(Descriptive)

Time : 2 hrs. 30 min.

Marks : 50

[Answer question no.1 & any four (4) from the rest]

1. a. A 28-year-old male presents with chronic lower back pain and stiffness that has been worsening over the past 6 months. The pain is worse in the morning, lasting more than an hour, and improves with activity throughout the day. He also reports occasional pain in his hips and shoulders and a feeling of fatigue. He denies any recent trauma. On examination, there is limited lumbar spine flexibility, particularly with forward bending, and tenderness over the sacroiliac joints. Lab tests show elevated ESR and CRP levels, while HLA-B27 testing is positive. What is the most likely diagnosis? Discuss the special tests to confirm the diagnosis along with its detailed physiotherapy management. 2+4+4
=10
- Or
- b. Elaborate Total Knee Replacement PT Protocol. Write a note on bone Grafting. 7+3=10

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| 2. Elaborate PT Assessment of Bicipital Tendinitis in detail? | 10 |
| 3. Write short notes on : | 5+5=10 |
| a. Rickets | |
| b. Special tests of PIVD | |
| 4. Describe the importance of a multidisciplinary approach in the treatment and management of Cerebral Palsy. What is the role of Physiotherapy in the Management of CP? | 5+5=10 |
| 5. Explain briefly the hand deformities of RA. Write the detailed physiotherapy assessment and acute phase physiotherapy management along with some recent advances in the management of RA. | 2+3+3+2=10 |
| 6. Explain PT Protocol of Adhesive Capsulitis. What are the stages of Adhesive Capsulitis? | 7+3=10 |
| 7. Write a note on types of Knee Osteotomy. Discuss PT Protocol Post High Tibial Osteotomy? | 3+7=10 |
| 8. Discuss the detailed clinical picture of osteoporosis Write the exercise prescription to support the management of osteoporosis in detail. | 5+5=10 |

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