

Jan-26,

**BLDE (DEEMED TO BE UNIVERSITY)**  
**BACHELOR OF PHYSIOTHERAPY**

[Time: 3 Hours]

[Max. Marks: 80]

**VII SEMESTER**

**PAPER - I (Musculoskeletal and Sports Physiotherapy – I)**

**QP CODE: 8720**

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

**Long Questions**

**10X1 = 10 Marks**

1. A 50-year-old man underwent total knee replacement due to severe osteoarthritis. Write physiotherapy assessment and detailed management protocol for this case.

**Short Essays: (Any – 8)**

**5 X 8 = 40 Marks**

2. Explain congenital talipes equinovarus (CTEV) and physiotherapy management.
3. Describe physiotherapy management for shoulder impingement syndrome (conservative and post-operative).
4. Write short essay on fracture healing and factors that delay healing.
5. Explain different types of prosthesis for below-knee amputees.
6. Write in detail about physiotherapy management of tibial plateau fracture after internal fixation.
7. Describe peri-arthritis of shoulder and PT management.
8. Explain abnormal spinal curvatures and their clinical features.
9. Physiotherapy management of total hip replacement.
10. Gallezi fracture and Monteggia fracture.

**Short Answers: (Any – 10)**

**3 X 10 = 30 Marks**

11. Define capsular pattern of a joint.
12. Write three signs of gout.
13. List complications of supracondylar fracture of humerus.
14. Mention three advantages of closed chain exercises.
15. Write short note on carpal tunnel syndrome.
16. Define and classify amputation.
17. Write short note on stress fracture.
18. Write three X-ray features of ankylosing spondylitis.
19. Define torticollis.
20. Mention two types of external fixators.
21. AVN.

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**VII SEMESTER**  
**PAPER - II (Neuro Physiotherapy – I)**  
**QP CODE: 8721**

Your answer should be specific to the questions asked.  
Write Question No. in left side of margin.

**Long Questions**

**10X1 = 10 Marks**

1. A 58-year-old man had a left MCA ischemic stroke 2 weeks ago. Write the physiotherapy assessment and management plan.

**Short Essays: (Any – 8)**

**5 X 8 = 40 Marks**

2. Explain the Modified Ashworth Scale and how to grade spasticity.
3. Brunnstrom stages of motor recovery—list and clinical use.
4. PNF: Principles and Upper limb patterns.
5. Assessment of cortical sensations (stereognosis, graphesthesia, two-point discrimination, barognosis).
6. Parkinson's disease: gait and balance problems; outline PT management.
7. Constraint-Induced Movement Therapy (CIMT) and modified CIMT: indications and protocol basics.
8. Gait analysis: main observational points and common deviations in hemiplegia.
9. ICF-based goal setting: write short and long-term goals for a patient with TBI at Rancho level IV–V.
10. T4 level spinal cord injury Assessment.

**Short Answers: (Any – 10)**

**3 X 10 = 30 Marks**

11. Sensory ataxia.
12. Romberg test.
13. Gower's sign.
14. List any four deep tendon reflexes and their root levels.
15. ASIA scale
16. Kernig's sign
17. Mini-Mental State Examination (MMSE)
18. Dysdiadochokinesia
19. Autonomic dysreflexia
20. Tinel's sign
21. Barthel Index

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**VII SEMESTER**

**PAPER - III (Cardio-Respiratory Physiotherapy - I)**

**QP CODE: 8722**

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

**Long Questions**

**10X1 = 10 Marks**

1. A 60-year-old man underwent pneumonectomy for lung cancer. Write in detail about pre- and post-operative physiotherapy assessment and management for this case.

**Short Essays: (Any – 8)**

**5 X 8 = 40 Marks**

2. Explain about the manual physiotherapy techniques to clear secretions- Percussion, Vibration, Shaking and Rib springing.
3. Explain arterial blood gas (ABG) analysis and its clinical use.
4. Describe the Active Cycle of Breathing Technique (ACBT).
5. Write a short note on postural drainage for left lower lobe of lung.
6. Explain physiotherapy management in emphysema.
7. Describe the role of physiotherapy in the ICU for a patient on mechanical ventilation.
8. Explain the Six-minute walk test and its significance.
9. Write in detail about pulmonary rehabilitation.
10. Discuss cardiac rehabilitation and its phases

**Short Answers: (Any – 10)**

**3 X 10 = 30 Marks**

11. Define chronic bronchitis.
12. Name the primary muscles of respiration.
13. Write short note on Incentive Spirometer.
14. Mention any four obstructive lung diseases.
15. Write short note on ankle-brachial index (ABI).
16. Define ARDS (Acute Respiratory Distress Syndrome).
17. Write three positions to relieve breathlessness.
18. Mention three contraindications of postural drainage.
19. Write a note on forced expiratory technique (FET).
20. Define cyanotic congenital heart disease.
21. Decortication.

*Jan-26*

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[Max. Marks: 80]

**VII SEMESTER**  
**PAPER - IV (Research Methodology and EBP)**  
**QP CODE: 8723**

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

**Long Questions**

**10X1 = 10 Marks**

1. Define Evidence-Based Physiotherapy (EBPT). Explain its principles, components, and role of a physiotherapist as a reflective practitioner.

**Short Essays: (Any – 8)**

**5 X 8 = 40 Marks**

2. Explain the meaning, objectives, and types of research.
3. Discuss the necessity of defining a research problem.
4. Write a short essay on different types of sampling techniques.
5. Write in detail about errors in measurement.
6. Explain the importance of data processing and problems encountered.
7. Write a short note on causation and inferential statistics in evidence-based practice.
8. Explain different sources of evidence and electronic databases.
9. Write about the Cochrane Collaboration.
10. Discuss the importance of economic evaluation of evidence.

**Short Answers: (Any – 10)**

**3 X 10 = 30 Marks**

11. Define research methodology.
12. Write any two problems faced by researchers in India.
13. List any two features of a good research design.
14. Write the difference between mean and median.
15. Mention two important sampling distributions.
16. What is the meaning of scaling in research?
17. Write two advantages of using computers in research.
18. Expand APTA and WHO in relation to guidelines.
19. What is meta-analysis?
20. Mention any two recent trends in healthcare.
21. What is meant by transfer of knowledge in research?