



**SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH
(A DEEMED TO BE UNIVERSITY)**

Bachelor of Physiotherapy, Semester-V

March 2026 Examination.

TIME – 3 HRS

[MAX MARKS: 100]

Physiotherapy in Cardio Respiratory & General Conditions

Q.P Code: B5130

Your answer should be specific to the question asked.

Draw neat labeled diagrams wherever necessary

I. LONG ESSAY (Answer any Two)

2 X 10 = 20 Marks

1. A 30-year-old farmer is suffering from breathlessness, chest tightness, unproductive cough and audible wheezing. He is diagnosed as acute exacerbation of asthma. Write its short-term Physiotherapy management.
2. Discuss the indication, contraindication and various techniques of postural drainage
3. A 60-year-old shopkeeper has undergone CABG 1 week back and gives history of hypertension and diabetes mellitus. Plan a phase 1 cardiac rehabilitation program.

II. SHORT ESSAY (Answer any Ten)

10X 5 = 50 Marks

4. List the differences between Restrictive and Obstructive lung diseases.
5. Enumerate the Glasgow Coma scale
6. Discuss common deformities of upper limb and lower limb seen in burns and the anti-deformity positioning strategies for the same
7. Discuss any two lung expansion therapies post thoracic surgery.
8. Describe modes of ventilator and discuss the role of physiotherapy management in ICU.
9. Discuss the types of open amputation and the physiotherapy management following amputation.
10. Discuss complications of Pulmonary Surgeries.
11. Describe Active cycle of breathing technique
12. Write a short note on Ankle brachial index.
13. Discuss any 2 mechanical airway clearance techniques.
14. Discuss the indications, contraindications and complications of suctioning
15. Explain Indications, contraindications and types of Humidification

III. SHORT ANSWER (Answer any Ten)

10X 3 = 30 Marks

16. Characteristics of deep partial thickness burns.
17. Any three incisions for abdominal surgery.
18. Write a note on types of atelectasis
19. List difference between Huffing and coughing techniques.
20. Three special tests to assess arterial insufficiency.
21. Clinical features of Tetralogy of Fallot's.
22. What is MET
23. List contraindication of Cardiac Rehabilitation
24. What is Intermittent Claudication
25. Enumerate complications of Amputations
26. Enumerate the MRC Grade of dyspnea
27. List the types of cough



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Time: 2.30 Hrs.

[Max. Marks: 80]

Clinical Orthopedics, traumatology & Rheumatology

Q.P Code: B5140

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAYS (Answer any Two)

2 X 10 = 20 Marks

1. Discuss the clinical features, causes, complications, medical and surgical management of TB Spine.
2. Discuss the causes, clinical features, mechanism of injury, complications, conservative and surgical management of radial head fracture.
3. Discuss the the mechanism of injury, clinical features, conservative and surgical management of lumbar fracture.

SHORT ESSAYS (Answer any Six)

6 X 5 = 30 Marks

4. Explain the causes, clinical features and management of Osteoarthritis.
5. Explain the causes, mechanism of injury and management of supracondylar fracture.
6. Explain the clinical features and management of recurrent anterior shoulder dislocation.
7. Explain the clinical features and management of ACL injury.
8. Explain the mechanism of injury, clinical features and surgical management of lateral ligament of ankle injury.
9. Explain the clinical features and management of Lumbosacral Strain.
10. Explain the mechanism of injury and management of Colle's fracture
11. Explain the causes and management of Tennis elbow.

SHORT ANSWERS (Answer any Ten)

10 X 3 = 30 Marks

12. What is Clay Shoveller' fracture
13. List the cause of tenosynovitis
14. List the mechanism of crush injury
15. List the mechanism of injury of hangman's fracture
16. Write a note on uses of lumbar traction
17. List the complications of amputation
18. List the causes for Calcaneal Spur
19. List the clinical features of Hoffa Syndrome
20. List the clinical features of Ankylosing Spondylitis
21. Write a note on phocomelia
22. Write a note on Ewings sarcoma
23. What is dermatomyositis



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Physiotherapy in Cardio Respiratory & General Conditions

Q.P Code: B5380

Your answer should be specific to the question asked.

Draw neat labeled diagrams wherever necessary

I. LONG ESSAY

2 X 10 = 20 Marks

1. Describe the indication, classification and methods of exercise tolerance testing
2. A 40-year-old male underwent right lower lobe lobectomy two days back via a posterolateral thoracotomy. He is having cough with expectoration with an intercostal drain. Discuss short term and long-term Physiotherapy management

II. SHORT ESSAY

6 X 5 = 30 Marks

3. Describe the indications and procedure of apical segment Postural Drainage
4. Describe in detail mechanical airway clearance devices
5. Discuss the clinical feature and management of Meconium Aspiration Syndrome
6. Mention in the Indications for Pulmonary functions tests. Define FVC, FEV1 and FEV1/FVC
7. Discuss the Physiotherapy management in Lung Cancer Patient
8. Discuss the indications and uses of CPAP

III. SHORT ANSWER

10 X 3 = 30 Marks

9. Enumerate the grades of clubbing
10. Enumerate the normal ECG waveform
11. List the Broncho Pulmonary segment
12. List the contraindication of chest percussions
13. Name the muscles of respiration
14. List indications of Suctioning
15. List the drugs used to reduce breathlessness
16. What is a Chief Complaint
17. Mention any three fitness tests used in the field
18. Discuss the types of atelectasis



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[Max. Marks: 80]

Clinical Orthopedics, traumatology & Rheumatology

Q.P Code: B5390

*Your answers should be specific to the questions asked.
Draw neat labelled diagrams wherever necessary.*

I. LONG ESSAY

2 X 10 = 20 Marks

1. Discuss the clinical features, mechanism of injury and management of fracture shaft of femur.
2. Discuss the causes, clinical features, stages and management of periarthrititis of shoulder.

II. SHORT ESSAY

6 X 5 = 30 Marks

3. Explain the causes, clinical features and management of Achillis tendonitis.
4. Explain the mechanism of injury and management of Supra Condylar fracture of humerus
5. Explain the clinical features and management of Gouty Arthritis
6. Explain the clinical features and management of spinal dysraphism
7. Explain the clinical features and management of Cerebral Palsy
8. Explain the complications and management of Perthes disease.

III. SHORT ANSWER

10 X 3 = 30 Marks

9. What is Jones fracture
10. What is Cervical Rib
11. List causes of Systemic Lupus Erythematosus
12. List the mechanism of injury of anterior dislocation of hip
13. Write a note on Stress fracture
14. List the complications of amputation
15. What is Coccydynia
16. List the complications of Rickets
17. List the clinical features of Calcaneal Spur
18. Define hemivertebra



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Time: 2 Hrs.

[Max. Marks: 40]

EXERCISE PHYSIOLOGY, HEALTH & FITNESS

Q.P Code: B5400

Your answers should be specific to questions asked.

Draw neat labelled diagrams wherever necessary.

I. Long Essay

1 X 10 = 10 Marks

1. Explain the acute and chronic adaptation of respiratory system during exercise

II. Short Essay

3 X 5 = 15 Marks

2. Explain in detail the exercise prescription for type 2 diabetes
3. Discuss the metabolic effect during exercise
4. Discuss the chronic cardiovascular adaptation to exercise

III. Short Answer

5 X 3 = 15 Marks

5. How to measure maximum heart rate
6. List the two energy systems
7. What is sit and reach test
8. Effects of training in a hot climate
9. What is scratch test