



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

Bachelor of Physiotherapy, Semester-V

March/April 2025 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*

LONG ESSAY (Answer any Two)

2 X 10 = 20 Marks

1. Describe the indication, classification and physiotherapy management PVD
2. A 63-year-old women underwent CABG, plan phase 1 cardiac rehabilitation program for the patient and enumerate the risk stratification for the same.
3. 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.

SHORT ESSAY (Answer any Ten)

10X 5 = 50 Marks

4. Describe in brief the physiological basis of Incentive spirometer, Write the Indications and Contraindications.
5. What is Manual Hyperinflation? Write the Indication and Implementations of the same
6. Write in detail about the mechanical and physiological difference between obstructive and restrictive lung disease
7. Briefly describe the pursed breathing exercise
8. Enumerate the indications types and complications of Oxygen Therapy
9. Describe the indications and types of Segmental beathing exercises
10. Describe the indications and procedure of apical segment Postural Drainage
11. What is a Wound? Describe the process of wound healing
12. Discuss the clinical feature and management of Meconium Aspiration Syndrome
13. Mention in the Indications for Pulmonary functions tests. Define FVC, FEV1 and FEV1/FVC
14. Discuss the Physiotherapy management in Lung Cancer Patient
15. Discuss the indications and uses of CPAP

SHORT ANSWER (Answer any Ten)

10X 3 = 30 Marks

16. Enumerate the grades of clubbing
17. Enumerate the normal ECG waveform
18. List the Broncho Pulmonary segment
19. List the contraindication of chest percussions
20. Name the muscles of respiration
21. List indications of Suctioning
22. List the drugs used to reduce breathlessness
23. What is a Chief Complaint
24. Mention any three fitness tests used in the field
25. Discuss the types of atelectasis
26. Define Cardiac Rehabilitation
27. Enumerate 6 Biochemical investigation values



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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 and management of Anterior dislocation of Hip.
2. Discuss the complication, clinical features and management of Osteomyelitis
3. Discuss the causes, clinical features, pathophysiology, investigations and management of Lumbosacral strain.

SHORT ESSAYS (Answer any Six)

6 x 5 = 30 Marks

4. Explain the clinical examination of orthopedic patient.
5. Explain the mechanism of injury and management of fracture Pott's fracture
6. Explain the causes, clinical features and management of ACL injury
7. Explain the clinical features and management of Coccydynia
8. Explain the causes and management of Tennis Elbow
9. Explain the clinical features, radiological findings and management of Osteoarthritis.
10. Explain the causes and management of Spinal Canal Stenosis
11. Explain the indications and types of Spinal stabilization surgeries

SHORT ANSWERS (Answer any Ten)

10 x 3 = 30 Marks

12. Write the difference between subluxation and dislocation
13. List the causes of odontoid fracture
14. List the radiological features of Ankylosing Spondylosis
15. List the mechanism of injury of Galeazzi fracture
16. Write a note on structures involved in CTEV
17. List the complications of Colle's fracture
18. What is Bennett's Fracture
19. List the causes for triceps strain
20. Write a note on amelia
21. Write the causes for Charcot's joints.
22. Write a note on Infraspinatus tendonitis
23. What is Osteoma



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Max Marks: 80

**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

LONG ESSAY

2 X 10 = 20 Marks

1. A 52-year-old nurse who underwent thoracoplasty 2 days back, she was suffering from tuberculosis. Write its short term and long-term physiotherapy management
2. Discuss the indication and procedure of mechanical airway clearance technique with suitable diagrams.

SHORT ESSAY

6 X 5 = 30 Marks

3. Define ulcer and its types, describe the physiotherapy managements of diabetic ulcers.
4. Discuss the physiotherapy management for breathless patients
5. Write a note on weaning from ventilators
6. Discuss the exercise prescription for lung cancer patients
7. Discuss the indication and physiotherapy management for Amputation
8. Explain the principle and procedure of any 2 lung expansion therapies

SHORT ANSWER

10 X 3 = 30 Marks

9. Write MRC grading of Dyspnea
10. Write about Burgers Exercise
11. Write a note on chest vibrations
12. Enumerate the types Intercostal drainage System
13. What is Pleural pressure
14. Enumerate the indications of ACBT
15. Difference between hypoxia and Hypoxemia
16. List the clinical features of transient tachypnea of new born
17. Write about the significance of ST segment changes in ECG
18. Write the NYHA Grading of Angina



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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.

LONG ESSAY

2 X 10 = 20 Marks

1. Discuss the causes, clinical features, mechanism of injury and management of fracture neck of femur.
2. Discuss the causes, complications, clinical features and management of Osteoporosis

SHORT ESSAY

6 X 5 = 30 Marks

3. Explain the mechanism of injury, clinical features and management of Anterior Cruciate Ligament injury.
4. Explain the mechanism of injury and management of both bone fracture of upper limb
5. Explain the mechanism of injury, clinical features and management of fracture of Metacarpal .
6. Explain the mechanism of injury, clinical features and management of Klippel Feil syndrome
7. Explain the causes, clinical features and management of calcaneum fracture
8. Explain the clinical features and management of Poliomyelitis

SHORT ANSWER

10 X 3 = 30 Marks

9. Classify Bone Tumors
10. What is Hallux rigidus
11. Write a note on Bennett's fracture
12. List the mechanism of injury of patellar dislocation
13. Write a note on ectrodactyly
14. List the clinical features of Plantar Fasciitis
15. What is Dupuytren's Contracture
16. List the complications of Leprosy
17. Write a note on osteoma
18. List clinical features of Scleroderma



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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.

Long Essay:

1 X 10 = 10 Marks

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

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

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