



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

**Bachelor of Physiotherapy, Semester-V
April 2024 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. A 52-year-old nurse underwent thoracoplasty 2 days back, she was suffering from tuberculosis. Write its short term and long-term physiotherapy management
2. A 30-year-old farmer is suffering from breathlessness and chest tightness. He is diagnosed as acute exacerbation of asthma. Write a note on Dyspnea relieving positions and diaphragmatic breathing exercises
3. A 50-year-old male, driver by occupation, known case of COPD is admitted with acute exacerbation. Discuss Physiotherapy management and write a note on airway clearance technique

SHORT ESSAY (Answer any Ten)

10X 5 = 50 Marks

4. Discuss the complications and physiotherapy management post lobectomy
5. List the differences between Humidification and nebulization
6. Discuss the indications and principle of pursed breathing exercise
7. Explain the rule of nine for burns evaluation
8. Discuss the indication and stump care management post amputation
9. Describe any two chest PNF technique
10. Describe the steps of endo tracheal suctioning
11. Write a note on parameters, modes and types of ventilators.
12. List the differences between obstructive and restrictive conditions based on PFT reports.
13. Define bronchiectasis and explain any 2-airway clearance technique for the same.
14. List the complications after general anesthesia and explain the physiotherapy management for the same.
15. Discuss the physiotherapy management after explorative laparotomy

SHORT ANSWER (Answer any Ten)

10X 3 = 30 Marks

16. Define CPAP.
17. Enumerate the difference between Blue bloaters and pink buffers
18. List the types of ulcers
19. List the types of segmental breathing
20. What is equal pressure point
21. What ankle brachial index
22. List the various sizes of suction catheters
23. List the drugs used for Bronchospasm
24. What is huffing and coughing
25. Importance of PR interval in the ECG rhythm
26. Define AMBU
27. List the causes of central and peripheral cyanosis



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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, mechanism of injury and management of Spinal Cord Injury.
2. Discuss the mechanism of injury, clinical features, conservative and surgical management of achillis tendon rupture.
3. Discuss the causes, clinical features and management of posterior dislocation of hip.

SHORT ESSAYS (Answer any Six)

6 x 5 = 30 Marks

4. Explain the causes, clinical features and management of hand crush injury.
5. Explain the mechanism of injury and management of Intervertebral Disc Prolapse
6. Explain the clinical features and management of Quadriceps Strain
7. Discuss the surgical management of Rotator Cuff tendon rupture.
8. Explain the levels, indications and complications of Amputation
9. Explain the clinical features and management of Coccyx fracture.
10. Explain the mechanism of injury and management of Colle's fracture
11. Explain in detail osteogenesis imperfect.

SHORT ANSWERS (Answer any Ten)

10 x 3 = 30 Marks

12. What is Bennett's fracture
13. Define contusion
14. List causes for coccydynia.
15. Define MCTD
16. Write a note on Talus fracture
17. List the differences between osteoporosis and Osteopenia
18. What is Hangman's fracture
19. List the indications for external fixators
20. List the clinical features of Piriformis syndrome
21. Write a note on spinal Canal Stenosis
22. Write a note on Smith's fracture
23. What is CTEV



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TIME – 2 HRS

MAX MARKS:40

EXERCISE PHYSIOLOGY, HEALTH & FITNESS

Q.P Code: B5150

Your answers should be specific to questions asked.

Draw neat labelled diagrams wherever necessary.

Long Essay:

1 X 10 = 10 Marks

1. Explain the exercise prescription for Hypertension

Short Essay: (Any three)

3 X 5 = 15 Marks

2. Explain in detail the exercise prescription for Renal failures
3. Discuss the types of aerobic and anerobic exercise
4. Discuss the metabolic effect during exercise
5. Discuss the chronic respiratory adaptations to exercise

Short Answer: (Any five)

5 X 3 = 15 Marks

6. List the reasons to stop any exercising test
7. Write a note on ACSM guidelines
8. Write a note on energy system
9. What is Back Scratch Test
10. What is stress test
11. What is metabolic equivalent ratio



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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. Discuss the indication, complication and steps of endo tracheal suctioning.
2. Discuss the types, TNM staging and exercise prescription for Lung Cancer.

SHORT ESSAY

6 X 5 = 30 Marks

3. Discuss the complications and physiotherapy management post Appendicectomy
4. Discuss the indication and working principle of Incentive spirometry
5. What is a humidifier? Discuss the different types of humidifiers.
6. Discuss the classification and physiotherapy management of PVD
7. Discuss the principle and various dyspnea relieving positions with suitable diagram
8. Define is bronchial asthma and add a note on Diaphragmatic breathing exercise

SHORT ANSWER

10 X 3 = 30 Marks

9. List the cardiac rehabilitation team
10. List complications of ventilators
11. What is persistent hypertension of the new born
12. Two indications of PFT
13. What is target heart rate?
14. List the risk factors for PVD
15. Classification of Respiratory failure
16. List the contraindication of Incentive Spirometry
17. Enumerate three incisions used in an abdominal surgery
18. Radiological findings of COPD.



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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 and management of Proximal Humerus Fracture
2. Discuss the complications, types and management of lower limb amputation.

SHORT ESSAY

6 X 5 = 30 Marks

3. Explain the causes, clinical features and management of Periarthritis Shoulder.
4. Explain the mechanism of injury and management of fracture shaft of humerus
5. Explain the causes, clinical features and management of Quadriplegia
6. Explain the clinical features and management of Rickets
7. Explain the clinical features, pathophysiology and surgical management of lumbar spondylolisthesis.
8. Explain the, causes clinical features and management of Tennis Elbow

SHORT ANSWER

10 X 3 = 30 Marks

9. What is Monteggia fracture
10. List the causes of Rickets
11. Management of prepatellar bursitis.
12. Stress Fracture
13. Surgical management of patellar fracture.
14. List the complications of Poliomyelitis
15. What is Osteomyelitis
16. List the clinical features of Mallet Finger
17. List the causes for Hamstring strain
18. Write a note on hand deformities in Rheumatoid Arthritis



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[Max. Marks: 40]

EXERCISE PHYSIOLOGY, HEALTH & FITNESS

Q.P Code: B5400

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Long Essay:

1 X 10 = 10 Marks

1. Explain the Metabolic effects during exercise

Short Essay:

3 X 5 = 15 Marks

2. Explain in detail the exercise prescription for obesity
3. Discuss the acute cardiovascular adaptations to exercise
4. Discuss the neuromuscular effect during exercise

Short Answer:

5 X 3 = 15 Marks

5. List the effects of exercising in cold climate
6. How to measure rate of perceived exertion
7. What is lean body mass
8. Enumerate the types of anerobic exercise
9. What is Reversibilty principle