

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

**Bachelor of Physiotherapy, Semester-V
March-2021 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. Explain the biomechanics of ventilation and thorax
2. Explain postural drainage with well labeled diagram
3. A 68 year old male was diagnosed pneumonia plan physiotherapy management and enlist the problems of the patient

SHORT ESSAY (Answer any Ten)

10 X 5 = 50 Marks

4. Discuss pulmonary function test and its indications
5. Discuss the biomechanics of thorax
6. Discuss the various components of Pulmonary Rehabilitation
7. How will you manage a 42 year old male who underwent below knee amputation 2 days ago
8. Plan a physiotherapy management for a post pneumonectomy and list the complications
9. Discuss the different oxygen delivery system
10. Define ulcer and list the difference between Venous and Arterial ulcers
11. Discuss ventilation and perfusion and list the effects of upright positioning
12. Discuss the various techniques of PNF chest
13. Discuss the steps of ABG interpretation
14. Discuss the indications and procedure of ACBT
15. Discuss the physiotherapy management of peripheral vascular diseases

SHORT ANSWER (Answer any Ten)

10 X 3 = 30 Marks

16. What are the different stages of cough
17. List the accessory muscles of ventilation
18. List the weaning criteria
19. List characteristics of normal ECG waveform
20. List the drugs to reduce breathlessness
21. List the different types of burns
22. List the uses of pursed lip breathing
23. List the grades of NYHA classification
24. List the different causes of dyspnea
25. List the Miller classification of sputum
26. Write a note on wheeze and crackles
27. Write a note on bronchophony and egophony



[Max. Marks: 80]

Clinical Orthopedics, traumatology & Rheumatology

Q.P Code: B5140

LONG ESSAY (Answer any Two)

2 X 10 = 20 Marks

1. Describe the classification of dorsolumbar spinal injuries. How will you manage a case of 1 hr old traumatic paraplegia involving L1 Burst type of fracture?
2. Classify fractures of distal radius. Describe clinical and radiological features, management and complications of distal radial Colle's fracture?
3. Classify compound injuries. Discuss the management of compound injury of middle third of Tibia?

SHORT ESSAY (Answer any Six)

6X 5 = 30 Marks

4. Explain Compartment syndrome?
5. Describe Osteochondroma?
6. What is Functional cast bracing in humeral fractures?
7. Discuss Gas gangrene?
8. Explain Gouty arthritis?
9. Write a short note on Fat embolism and its management?
10. Discuss Acute osteomyelitis?
11. Explain Chemotherapy of skeletal Tuberculosis infection?

SHORT ANSWER (Answer any Ten)

10 X 3 = 30 Marks

12. Draw the Structure of a bone?
13. Explain Hawkins sign?
14. Define Wolff's law?
15. Explain one Reduction technique of anterior dislocation of shoulder in detail?
16. Describe uses of Tourniquet in orthopedics?
17. What is Finger drop?
18. Define Cold abscess?
19. Explain Nerve conduction study?
20. Discuss Brodie's abscess?
21. How to do Empty can test?
22. What is Ray Amputation?
23. Define Jones fracture?



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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. A 65 year old male known case of diabetes with CAD advised for exercise training.
write in detail the risk stratification and exercise prescription for the same (3+7=10)

Short Essay : (Any three)

3 X 5 = 15 Marks

2. Describe any two sub- maximal exercise testing protocol.
3. Exercise Prescription for obese person
4. Write in detail the body composition assessment of fitness
5. Exercise prescription for women and children population

Short Answer: (Any five)

5 X 3 = 15 Marks

6. Define Muscle strength
7. Explain Target Heart Rate
8. Explain sit and reach test
9. Enumerate any 3 criteria to terminate the exercise testing
10. Describe the energy system in muscle
11. Explain the effects of exercise and training on female athlete.

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