Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.P.T. Degree Examination - 02-Nov-2026

Time: Three Hours **Max. Marks: 100**

MUSCULOSKELETAL AND SPORTS PHYSIOTHERAPY (RS-5)
Q.P. CODE: 2745

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

LONG ESSAYS (Second Question Choice) **2 x 10 = 20 Marks**

1. Explain the prevention and rehabilitation strategies for Osteoporosis
2. Define bio-engineering and discuss its principles and applications in physiotherapy

OR

Explain the rehabilitation protocol for ligament injuries in Athletes

SHORT ESSAYS (Question No 3 & 12 choice) **10 x 5 = 50 Marks**

3. Explain the role of physiotherapy in leprosy

OR

Explain the Gait abnormalities seen in Pes planus

4. Explain the role of physiotherapy after reconstructive surgery
5. Describe the importance of postural training in scoliosis
6. Role of physiotherapy in congenital talipes equino varus
7. Write a short note on postural correction exercises
8. Plantar fasciitis and its PT management
9. Explain PT rehabilitation for chronic stage of ankylosing spondylitis
10. Explain the PT management following radial nerve injury
11. Define rheumatoid arthritis. Explain it clinical features and physiotherapy management in brief
12. Explain schools of thought in physiotherapy. Explain any three schools of thought briefly

OR

Explain the postural changes seen in Ankylosing spondylitis

SHORT ANSWERS **10 x 3 = 30 Marks**

13. Define Sacralisation
14. Mention any three yoga asanas used for back pain
15. Define septic arthritis
16. Carpal tunnel syndrome
17. Mention any three special tests used in diagnosis of Rotator cuff injury
18. Define Hamstring strain
19. List any three goals of physiotherapy after wrist arthroplasty
20. Mention any three causes of Bicipital Tendinitis
21. List any three assistive devices used in rehabilitation
22. List any three principles of sports injury prevention

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