

Rajiv Gandhi University of Health Sciences, Karnataka
VII Semester Bachelor of Occupational Therapy Degree Examination – 09-May-2025

Time: Three Hours

Max. Marks: 100

BASICS OF ORTHOTICS AND ASSISTIVE TECHNOLOGY (RS)

Q.P. CODE: 3438

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

LONG ESSAYS (Answer any Two)

2 x 10 = 20 Marks

1. Explain in brief about wheelchair measurement with diagram
2. Write in brief about principles of splinting
3. Write notes on role of splints in patients with burn

SHORT ESSAYS (Answer any Ten)

10 x 5 = 50 Marks

4. Write about the lumbosacral spinal orthosis
5. Write about adaptive devices used by a patient with RA supporting upper extremities functions
6. Write uses of ring splint
7. Mention steps of tissue healing
8. Mention about fir principle while preparing a splint
9. Usage of myo-electric hand
10. Write about positioning considerations and seating in wheel chair
11. Explain about splint component technology
12. Mention about usage of resting hand splint
13. Prescribe a splint for wrist contracture
14. Explain about soft tissue remodeling
15. Prescribe a splint for hand for benediction

SHORT ANSWERS (Answer any Ten)

10 x 3 = 30 Marks

16. Mention three lower extremity orthoses
17. Mention about wheelchair accessories
18. Write about uses if Dorsal Blocking Splint
19. Mention assistive devices used by patients with DMD
20. What is a long handle scrubber
21. Write about Functional hand splint
22. Write about usage of KAFO
23. Analyse ROM inside a aeroplane splint
24. In which cases angulated spoon is used
25. Draw a pattern diagram of short cock-up splint
26. Write a about conditions where buddy strap is used
27. Explain the procedure for buddy straping
