

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**VII Semester Bachelor of Occupational Therapy Degree Examination – 11-Nov-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 about importance and need of assistive technology for the person with disability
2. Define splinting. What are the purpose of splinting? Discuss the hand and upper extremity splinting
3. Explain the different types of adaptive devices used for activities of daily living (ADLs)

**SHORT ESSAYS (Answer any Ten)**

**10 x 5 = 50 Marks**

4. HAAT model
5. Role of splinting in the management of soft tissue injuries
6. Design considerations for spinal braces
7. Classification of splints according to the ASHT splint classification system
8. Discuss the various types of electronic enabling technologies
9. Environmental control units
10. Wheel chair assessment
11. Describe the universal design and its principles
12. Types of splints used with children
13. Types of Orthosis
14. Fit principal for splinting
15. Provide an overview of adaptive devices used for Basic Activities of Daily Living (BADL) and discuss some common modifications

**SHORT ANSWERS (Answer any Ten)**

**10 x 3 = 30 Marks**

16. Define universal technology
17. Define adaptive devices
18. Define control technologies
19. Describe the ASHT splint classification system
20. Spinal braces
21. List the splints used for rheumatoid arthritis and explain their purpose
22. Orthosis
23. Role of adaptive devices in promoting independence
24. Types of wheelchair
25. Barriers to using adaptive devices in everyday life
26. Mobility assistive technology
27. Tissue remodeling

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