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**Rajiv Gandhi University of Health Sciences, Karnataka**

**III Year Bachelor in Prosthetics and Orthotics Degree Examination – OCT-2019**

**Time: Three Hours**

**Max. Marks: 80 Marks**

**Mobility & Rehabilitation Aids (Revised Syllabus)**

**Q.P. CODE: 2826**

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

**ESSAYS TYPE (answer any Two)**

**2 x 10 = 20 Marks**

1. Draw a labeled sketch of manual wheelchair & explain about its all the parts.
2. Write about the factors considered during the prescription of seating & mobility system.
3. Write in detail about the biomechanical principles of seating.

**SHORT ESSAYS TYPE (answer any Six)**

**6 X 5 = 30 Marks**

4. Describe the classification of seating ability in the seating system.
5. Mention the indication, design & advantages of parapodium in detail.
6. Write a note on various drive controls mechanism of powered wheelchair.
7. Write down the advantages, disadvantages & possible application of any three wheeled mobility technologies.
8. Write the design description of wheelchair used for racing.
9. Discuss any three designs of low level mobility aid.
10. Discuss the design & function of any four special gadgets to assist in activity of daily living.
11. Explain three common pattern of postural malalignment & what can be the equipment solution to align the posture.

**SHORT ANSWERS TYPE (answer any Ten)**

**10 x 3 = 30 Marks**

12. Cane- Use & types.
13. Elbow crutch measurement technique.
14. What is a self-help device?
15. Design of standing & seating device
16. Two point gait
17. Dressing tree
18. Arm rest in wheelchair- importance
19. List the assistive devices for bathing and toileting
20. Wheelchair propulsion technique
21. Measurement technique of axillary crutch
22. Molded seat- indication & uses.
23. Sip & puff control

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