

**UNIT IV**

S.No	Question Type	Question	Year	Bloom's Taxonomy
1	<b>Essay (15 Marks)</b>	Describe the gait cycle, including stance and swing phases. Explain the muscular activity during each phase and the determinants of normal gait.	February 2011	Analyze
2		Discuss various pathological gaits: Trendelenburg, scissoring, antalgic, and foot drop gait, with their causes and characteristics.	August 2013	Analyze
3		Explain the types of crutches (axillary, elbow, gutter). Describe measurement, parts, preparatory exercises, and crutch gait patterns (four-point, three-point, swing to/through).	November 2021	Analyze
4		Describe the characteristics of normal gait, including pelvic tilt, step length, stride length, cadence, and base width, with their clinical significance.	June 2022	Apply
5		Discuss walking aids: canes and walkers. Explain types, purposes, measurement, and gait patterns for each.	October 2015	Analyze
6		Explain the parts of a wheelchair, measurement guidelines (seat width, height, depth), and types (rigid, foldable, powered). Discuss indications for wheelchair use.	April 2020	Analyze
7		Describe pathological gaits in neurological conditions: Parkinsonian gait, scissoring gait, and circumductory gait, with underlying pathology and management principles.	August 2023	Analyze
8		Discuss crutch walking techniques for non-weight bearing and partial weight bearing, including stair climbing with axillary crutches.	February 2012	Analyze
9		Explain the phases of gait cycle in detail, with time and distance parameters (step length, stride length, cadence) and their alterations in pathology.	November 2024	Apply
10		Describe the types of walking aids and their indications. Focus on axillary crutches: measurement, gait patterns, and muscle strengthening exercises.	October 2016	Analyze
11	<b>Short Notes (5 Marks)</b>	Trendelenburg gait.	August 2009	Understand

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12		Four-point crutch gait.	November 2022	Understand
13		Parts of axillary crutch.	April 2023	Understand
14		Antalgic gait.	October 2021	Understand
15		Rollator walker.	February 2020	Understand
16		Foot drop gait.	August 2010	Remember
17		Measurement of axillary crutch.	November 2023	Understand
18		Scissoring gait.	August 2024	Understand
19		Quadripod cane.	February 2011	Understand
20		Swing through gait.	October 2015	Remember
21	<b>Short Answers (2 Marks)</b>	Define gait cycle.	September 2021	Remember
22		Name two pathological gaits.	January 2022	Remember
23		What is three-point gait?	June 2022	Remember
24		Define cadence in gait.	April 2023	Understand
25		Name two types of crutches.	November 2023	Remember
26		What is Trendelenburg gait?	November 2023	Remember
27		Indications for walking aids.	February 2010	Remember
28		Define stride length.	August 2009	Remember
29		Name two types of walkers.	August 2010	Understand
30		What is Parkinsonian gait?	January 2022	Remember