Registration No: | | | | | | | | | | |

Total Number of Pages: 01 | Course: MPT

SUBJECT : Physiotherapy Assessment in Biomechanics | SUB_CODE: 23MPT2B2

(2st Year MPT) Supplementary Examination: 2023-24 (Admitted Batch)

BRANCH: Allied Science | Q. CODE: A714

Max Time: 3 Hours | Max Marks: 80 | Sitting: 1st , 10.00 AM to 1.00 PM

Any Question having parts should be answered as whole at one place only.

Illustrate answer with diagrams wherever relevant / required if any)

The figures in the right-hand margin indicate marks.

Answer any 5 out of 7. Q8 is compulsory

Q 1	Explain the safety precautions during laboratory tests	(1 x 15 Marks)
Q 2	Enumerate the methods of assessment of the stance phase of gait	(1 x 15 Marks)
Q 3	Describe the assessment of posture in the posterior view, and explain common deviations observed during clinical evaluation in Scoliosis	(1 x 15 Marks)
Q 4	Illustrate how biomechanical principles are applied in the design of a computer workstation.	(1 x 15 Marks)
Q 5	Illustrate the functional analysis of the squat. Analyze joint actions and muscle activity	(1 x 15 Marks)
Q 6	Enumerate biomechanical assessment methods for balance	(1 x 15 Marks)
Q 7	Elaborate on the assessment of Parkinsonian gait	(1 x 15 Marks)
Q 8	**Answer all the questions below**	(5 x 1 Marks)
a)	Mention any 2 functional scales for gait	
b)	Classify the Spatial and temporal parameters of gait	
c)	Illustrate the LOG axis on the hip joint	
d)	Classify the assessment methods in ergonomics	
e)	State the principles of exercise prescription	

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