

Registration No:

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Total Number of Pages: 01

Course: MPT

SUBJECT NAME: PT in speciality area (Biomechanics)

SUB_CODE: 23MPT1B1

(1st Year MPT) Examination: Regular 2024-25 & Supplementary 2023-24 (Admitted Batch)

BRANCH: Allied Science MPT

Q. CODE: A342

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)

Long Answer questions (any four out of six)

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Q 1	Elaborate the biomechanics of the patello-femoral joint in humans.	(1 x 15 Marks)
Q 2	Describe the biomechanics during "sit to stand" activity in humans.	(1 x 15 Marks)
Q 3	Describe Nerve Conduction Velocity, the method & its need in Physiotherapy practice.	(1 x 15 Marks)
Q 4	Describe the functional anatomy related to a human skeletal muscle	(1 x 15 Marks)
Q 5	Write about the role of sensory system in relation to Balance mechanism in humans.	(1 x 15 Marks)
Q 6	Describe the Gait determinants in Humans.	(1 x 15 Marks)
Q 7	Short answer questions (any five out of eight)	(5 x 4 Marks)

a) Chronaxie
b) Application of levers in exercise therapy.
c) Footwear for anesthetic feet
d) SACH foot
e) Opponens splint
f) Residual volume
g) "H" reflex
h) Functional consequences of "pes planus" in adults.
