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Total Number of Pages: (01)

Course: MPT

SUBJECT NAME: PT in speciality area (Biomechanics) SUB_CODE: 23MPT1B1

Q. CODE: A088

(1st Year MPT) Examination: 2023-24 (Admitted Batch)

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.

Q 1

Long Answer questions (any four out of six)

(4 x 15 Marks)

- Describe the mechanics of the human glenohumeral joint.
- Describe about the various methods of foot pressure analysis and its clinical application.
- How does ageing affect the spinal mechanics?
- Describe the need of anthropometric measurements of the human body.
- Describe the Gait determinants in Humans.
- Write an essay on Gross motor development of a baby from Infancy to 12 months.

Q 2

Short answer questions (any five out of eight)

(5 x 4 Marks)

- Angle of pull of a muscle
- "F" wave
- levers in human body
- Footwear for anaesthetic feet
- Symes prosthesis
- Hip strategy in balance
- Functional consequences of "Coxa Vara"
- Residual Volume
