

Registration No:

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Total Number of Pages: 01

Course: MPT

SUBJECT NAME: PT in speciality area (Musculoskeletal Conditions)

SUB_CODE: 23MPT1M1

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

BRANCH: Allied Science MPT

Q. CODE: A337

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.

Long Answer questions (any four out of six)

- Q 1 Elaborate on shoulder biomechanics and relate it to rotator cuff injury (1 x 15 Marks)
- Q 2 Discuss in detail about the pathomechanics of rheumatoid arthritis on joints (1 x 15 Marks)
- Q 3 Explain about flat foot and its effects on the alignment in joints of the lower limb (1 x 15 Marks)
- Q 4 Write about the pathomechanics of intervertebral disc prolapse in detail (1 x 15 Marks)
- Q 5 Describe the gait deviations and their causes (1 x 15 Marks)
- Q 6 Explain the pathomechanics of anterior cruciate ligament injury in knee joint (1 x 15 Marks)

Q 7 Short answer questions (any five out of eight) (5 x 4 Marks)

- a) Write about compartment syndrome
- b) Explain the pathomechanics of osteoporosis
- c) Write about IT band tightness
- d) Describe pathomechanics in plantar fasciitis
- e) Write about mechanics of implants in hip joint.
- f) Describe briefly about forward head posture
- g) Write about the applied aspects of muscle active and passive insufficiency with examples
- h) Explain about the evolution of human spine
