

Registration No:

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Total Number of Pages: 01

Course: MPT

SUBJECT NAME: PT in speciality area (Musculoskeletal Conditions)

SUB\_CODE: 23MPT1M1

(1<sup>st</sup> 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: 1<sup>st</sup>, 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

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