

Total No. of Printed Pages - 2

**SS/MPT-II/MDS/P-V/02-**

**2 0 2 0**

(February)

MASTER OF PHYSIOTHERAPY  
(2<sup>nd</sup> Year)

MUSCULOSKELETAL DISORDER AND SPORTS

Paper V

*Full Marks: 100*

*Time: 3 hours*

*The figures in the margin indicate full marks  
For the questions*

Answer **all** questions

1. Define gait cycle. Give details of the determinants of gait.  
Outline the sagittal and frontal plane analysis of gait cycle.  
2+5+13= 20
2. Discuss the various schools of manual therapy related to the  
spine care. Add a note on the recent advances in the field of  
manual therapy of spine. 10+10=20

( Turn Over )

( 2 )

3. Discuss the role of a physiotherapist in burn care. 10
4. What do you mean by tendon transfer? Explain the principles of tendon transfer with examples. 10
5. Discuss the physiological basis behind application of myofascial release and muscle energy techniques with neat labelled diagram. 10
6. Explain the various procedures you will be implementing to check the physical fitness of an athlete. 10
7. Explain the various techniques uses for joint mobilization. 10
8. Trampoline: Explain the physiological and therapeutic effects of using trampoline in rehabilitation. 10

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