

Total No. of Printed Pages – 2

SS/MPT-I/P-II/02-20

2020

(February)

MASTER OF PHYSIOTHERAPY
(1st Year)
BIOMECHANICS, EXERCISE PHYSIOLOGY,
ELECTROPHYSIOLOGY

Paper II

Full Marks: 100

Time: 3 hours

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

Answer **all** questions

1. Write about normal and applied biomechanics of spine and lower extremity. Also mention its relevance to PT profession. 20
2. Write in detail about functional anatomy and biomechanics of human hand. What do you mean by Finger flexion cascade and its relevance to rehabilitate patient with hand injury. 20

(Turn Over)

(2)

3. What is the importance of patient positioning, body mechanics and transfer technique? Give explanation with patient suffering from paraplegia. 10
4. Write in detail an exercise prescription for Female obese patient of 60 years of age suffering from Diabetes type 2 and hypertension. According to ACSM what important points healthcare professional need to keep in mind while prescribing exercise program to this patient? 10
5. How will you assess Fatigue? What are the types and causes of Fatigue? Write Physiotherapy role in Fatigue management? 10
6. Write in detail about anatomy and physiology of peripheral nerve and NMJ. Also make appropriate diagram for the same. 10
7. Write about NCV and EMG. Write indications, contra indications and limitation for both. 10
8. What is Borg scale of RPE? Write its advantage and limitations. 10

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