

ABHINAV BINDRA SPORTS MEDICINE AND RESEARCH INSTITUTE

THERAPEUTICS 1

1st SEMESTER INTERNAL EXAMINATIONS

MARKS -100

TIME – 3 HRS (8:30 AM TO 11:30 AM)

Section - A

Answer any 3 (3*10marks)

1. Give a brief note on stretching, Principle, its technique and effects. (2+3+5)
2. What is Massage? Write a detail note on DTFM & its effects. (2+3+5)
3. Discuss about postural reflex and describe various types of posture. (5+5)
4. Discuss hanging as starting position, the muscles working and talk about derived position.(5+5)

Answer any four (4*5 marks)

1. Types of muscle contraction
2. Equilibrium
3. Oxford technique
4. Friction
5. Complication of bed rest
6. Line of gravity with relation to human body

Section - B

Answer any 3 (3*10marks)

1. Define therapeutic current, explain types of LFC & its effects (2+3+5)
2. Explain SD curve as electrodiagnosis tool. Various Factors effecting SD curve. (5+5)
3. Write a detailed note on Iontophoresis
4. What is Action Potential? Briefly explain on the mechanism of impulse in peripheral nerve (3+7)

Answer any four (4*5 marks)

1. Motor unit
2. Electric shock
3. Contrast bath
4. Fluidotherapy
5. Faradism under tension
6. Rheobase and Chronaxie
7. Equilibrium