

Section A (50 Marks)

Que1.Short Answer Questions (Solve any 5 out of 6)

(5x3=15.00)

a.

Explain the role of synergist muscle in the movement

b.

Enumerate various Starting / Fundamental positions.

c.

Describe Buoyancy.

d.

Define Angle of Pull.

e.

Explain factors affecting Stability.

f.

Define Kinematics

Que2.Short Answer Question: (Solve any 5 out of 6)

(5x7=35.00)

a.

Define Convex-Concave rule. Describe how it works in human body with appropriate examples.

b.

Discuss the Kinematics of Hip Joint during open chain Flexion.

c.

Describe Active and Passive insufficiency with examples.

d.

Define Equilibrium. Explain the types of Equilibrium with examples in human body.

e.

Define various Axes and Planes in the human body with examples of each.

f.

Explain different types of Muscle Contractions with appropriate examples.

Section B (30 Marks)

Que3.Long Answer Questions(Solve any 1 Out of 2) :-

(1x15=15.00)

a.

Describe three types of levers with appropriate examples in human body.

(5+5+5=15 Marks)

b

Describe 'Standing' as a starting position with its effect and uses. Write a note on any two derived positions of standing.

(9+6=15 Marks)

Que4. Long Answer Questions (Solve any 1 out of 2)

(1x15=15.00)

a.

Discuss Newton's laws of motion with appropriate examples in human body. Add a note on Anatomical Pulley
(12+3=15 Marks)

b.

Explain the Kinematics and Kinetics of Shoulder joint Abduction.

(7+8=15 Marks)