

ABHINAV BINDRA SPORTS MEDICINE AND RESEARCH INSTITUTE

Paper-II-Biomechanics & Kinesiology

3rd SEMESTER INTERNAL EXAMINATIONS

TIME – 3 HRS (9 AM TO 12 PM)

MARKS -100

Section –A

Answer any three (20*3)

1. Discuss the articular anatomy of the hip and angles related to the acetabulum and the femur. Add a note on pelvic tilts and trabecular system of the femur.
2. Explain the osteokinematics and arthrokinematics of elbow joint and its function.
3. Discuss the kinetic analysis of motion
4. Explain biomechanics of respiration

Section –B

Answer any four (10*4)

1. Classification of Lever
2. Equilibrium
3. Composition and resolution of forces with diagram
4. Closed and open kinematic exercises
5. Scapulohumeral rhythm