

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**