Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary. Answer all questions

LONG ESSAY 2 X 20 = 40 Marks

- Discuss the phases of throwing, muscular activity involved and a note on the pathomechanics of an unstable shoulder joint.
- Describe the mechanical properties of articular cartilage and its response to injury, immobilization and rehabilitation.

SHORT ESSAY 6 X 10 = 60 Marks

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- 3. Kinetics of patellofemoral joint during squat exercises.
- 4. Fat metabolism and energy production.
- Edwards concept of combined movements.
- Osteo-chondritis dissecans.
- Evaluation of back pain in a swimmer.
- Golfer's elbow.

