

# DIPLOMA IN PHYSIOTHERAPY

[First Year]Main Theory Exam Session 2021-22

## KINESIOLOGY

PAPER CODE - 107

Time:- 3 Hours

Marks:- 100

**1 . Elaborate on:**

(1 x 20 = 20)

1. Write the structure and contractile unit of a muscle. Write the types of muscle fibre and the types of muscle contraction.

**2. Write notes on:**

(10 x 6 = 60)

1. Active insufficiency.
2. Locking and unlocking mechanism of knee joint.
3. Concurrent force system.
4. Synovial joint and its subdivision.
5. Law of inertia.
6. Knee joint incongruence.

**3. Short answers on: (Attempt any four)**

(5 x 4 = 20)

1. Claw toes.
2. Axes and planes.
3. Hook grip.
4. Arches of foot.
5. Spurt and shunt muscle.
6. Facet joint.
7. Tenodesis.
8. Shear.