

Q.P.Code 113014

Reg. No.:.....

First Year BPT Degree Supplementary Examinations August 2019

Biomechanics and Kinesiology

(2012 - Scheme)

Time : 3 hrs

Max marks : 100

- **Answer all questions**
- **Draw diagrams wherever necessary**

Essays:

(2x14=28)

1. Elaborate on the structure and functions of knee joint and effects of aging and disease
2. Discuss the types of posture, postural control and postural analysis

Short notes:

(4x8=32)

3. Discuss the structure of hand complex
4. Significance of plantar arches
5. Types of levers with examples
6. Phases of gait cycle

Answer briefly:

(10x4=40)

7. Locking and unlocking of knee
8. Motor unit
9. Inter vertebral discs
10. Ball and socket joint
11. Metatarsal break
12. Axis and planes
13. Pelvic tilt
14. Concave convex rule
15. Cubitus valgus
16. Scapulo-humeral rhythm
