

**Q.P.Code 113014**

**Reg. No.:.....**

**First Year BPT Degree Supplementary Examinations August 2017**

**Biomechanics and Kinesiology**

**(2012 - Scheme)**

**Time : 3 hrs**

**Max marks : 100**

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

**Essays:**

**(2x14=28)**

1. Describe in detail the types of posture, postural control and postural analysis
2. Elaborate on the structure and function of hip joint and effects of aging and disease

**Short notes:**

**(4x8=32)**

3. Joint design and materials used in human joint.
4. Types and direction of motion
5. Structure of hand complex
6. The muscles of vertebral column

**Answer briefly:**

**(10x4=40)**

7. Center of gravity
8. Carpal tunnel
9. Lumbar pelvic rhythm
10. Primary and secondary curves of vertebral column
11. Pes planus
12. Patello-femoral joint
13. Genu varum
14. Locking and unlocking of knee
15. Pelvic tilt
16. Cubitus valgus

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