

**Q.P. Code: 123014**

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

**First Year BPT Degree Examinations August 2018**

**Paper III – Biomechanics and Kinesiology**

**(2016 Scheme)**

**Time: 3 hrs**

**Max marks: 100**

- Answer all questions
- Draw diagrams wherever necessary

**Essays**

**(2x15=30)**

1. Describe in detail the mobility and stability components of hip joint.
2. Describe in detail the types of posture, postural control and postural analysis

**Short Essays**

**(4x10=40)**

3. The structure and function of vertebral column
4. Discuss the types and direction of motion
5. Explain levers with examples in human body
6. Structure of shoulder joint

**Short Answers**

**(10x3=30)**

7. Reaction forces
8. Elements of muscle structure
9. Concurrent force system
10. Prehension
11. Pes cavus
12. Scoliosis
13. Functional position of hand
14. Carrying angle
15. Pelvic tilt
16. Inter vertebral discs

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