

Q.P.Code 113014

Reg. No.:.....

**First Year BPT Degree Supplementary Examinations March 2018****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 regions of vertebral column and effects of aging and disease
2. Discuss the structure and functions of glenohumeral joint with a note on its dynamic stability

**Short notes:****(4x8=32)**

3. Describe Newton's law of motion with examples
4. Discuss about precision and prehension of the hand
5. Properties of connective tissue.
6. Describe ventilatory motions

**Answer briefly:****(10x4=40)**

7. Elements of muscle structure
8. Scoliosis
9. Diaphragm
10. Genu varum
11. Carrying angle
12. Primary and secondary curves of vertebral column
13. Patellofemoral joint
14. Functional position of hand
15. Pes planus
16. Ligaments of spine

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