

Q.P. Code: 123014**Reg. No.:.....****First Year BPT Degree Supplementary Examinations February 2019****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 the structure and function of glenohumeral joint with a note on its dynamic stability
2. Elaborate on the structure and function of plantar arches and deviations from normal.

Short Essays**(4x10=40)**

3. Discuss about precision and prehension of the hand
4. Phases of gait cycle
5. Discuss the effects of disease, injury and immobilisation of joints
6. Describe ventilatory motions

Short Answers**(10x3=30)**

7. Work
8. Lumbar pelvic rhythm
9. Dynamic posture
10. Metatarsal break
11. Primary and secondary curves of vertebral column
12. Axes and planes.
13. Diarthrodial joint
14. Concave convex rule
15. Intrinsic plus hand
16. Moment arm
