

2012 Scheme

Q.P.Code 113014

Reg. No.:.....

First Year BPT Degree Supplementary Examinations February 2020

Biomechanics and Kinesiology

Time : 3 hrs

Max marks : 100

- Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space
- Answer all parts of a single question together • Leave sufficient space between answers
- Draw table/diagrams/flow charts wherever necessary

Essays:**(2x14=28)**

1. Define posture, its types and describe the effects of posture on pregnancy and occupation. (1+1+6+6)

2. Elaborate the structure and function of the shoulder joint

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

3. The muscles of vertebral column
4. Effects of immobilization
5. Explain the load deformation and stress strain curve
6. Explain the arthrokinematics of knee joint in squatting

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

7. "Q" angle and its significance
8. Genu Valgum and Genu Recurvatum
9. Assistive devices
10. Angle of wiberg
11. Newton's laws of motion.
12. Pes Cavus and Pes planus
13. Equilibrium of levers
14. Define friction and its types
15. Concentric muscle work with an example
16. Scoliosis
