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 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 (1+1+6+6)occupation. 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 devises 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
