Q.P.Code 113014 (2012 - Scheme)

First Year BPT Degree Supplementary Examinations - March 2014

(2012 - Scheme)

E Time : 3 hrs	Biomechanics and Kinesiology	Max marks : 100
 Answer all questions Draw diagrams wherever necessary Essays: 		(2x14=28)
 Define gait and the phases of gait cycle. Describe the kinetic analysis of gait. 		
T. Denne gait and the phases	s of gait cycle. Describe the kinetic analy	(2+6+6=14)
2. Define posture. Describe p	postural control in detail.	(2+12=14)
Short notes:		(4x8=32)
3. Mechanics of breathing		
4. Explain the humero-radial articulation and the effects of immobilization in elbow joint		
5. Age related changes in ve	rtebral column	
6. Dynamic stabilizers of shoulder joint		
Answer briefly:		(10x4=40)
7. Patella alta and patella baja		
8. Define power and endurance		
9. Mechanical advantages of class I and II levers		
10. Types of muscle work.		
11. Q angle and its significance.		
12. Screw home movement		
13. Angle of wiberg.		
14. Safe lifting		
15. Functional position of the hand		
16. Properties of connective tissues.		

Reg. No.:....