

2012 Scheme

Q.P.Code 113014

Reg. No.:.....

First Year BPT Degree Supplementary Examinations July 2022

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. Elaborate on the structure and functions of shoulder joint and effects of aging on it.
2. Discuss the kinetics and kinematics of stair case climbing.

Short notes:

(4x8=32)

3. Discuss the structure and function of the lumbar region.
4. Discuss the analysis of posture.
5. Discuss the general properties of connective tissues.
6. Significance plantar fascia.

Answer briefly:

(10x4=40)

7. Concave convex rule.
8. Pump-handle movement.
9. Two-joint muscles.
10. Floating ribs.
11. Base of support.
12. Hinge joint.
13. Axis and planes.
14. Cylindrical grip.
15. Muscles of the foot.
16. Pes cavus
