Sl.No.18116 **Course Code: 7520422**

VINAYAKA MISSION'S RESEARCH FOUNDATION, SALEM

B.P.Ed. DEGREE EXAMINATION – November 2018
Fourth Semester

KINESIOLOGY AND BIOMECHANICS

Time: Three hours Maximum: 75 marks

PART – A (10 x 2 = 20 marks)

Answer any **TEN** questions. All questions carry equal marks.

1. State the meaning of kinesiology.
2. Why kinesiology is importance in Physical Education and Sports?
3. Write any two fundamental movements.
4. Define axis.
5. Define Biomechanics.
6. What is Velocity?
7. Mention any two types of equilibrium.
8. What is force?
9. What is pushing?
10. What is jumping?
11. Write any two types of motion.
12. What is lever?

PART – B (5 x 5 = 25 marks)

Answer any **FIVE** questions. All questions carry equal marks.

13. Briefly explain the role of Kinesiology in Physical Education and Sports.
14. Write short notes on bone and its types.
15. Discuss the various types of acceleration.
16. State the Newton's laws of motion.
17. Briefly explain the mechanical analysis of throwing.
18. Write short notes on spin.
19. Illustrate the various types of plane.
20. Write short notes on distance and displacement.

PART – C (3 x 10 = 30 marks)

Answer any **THREE** questions. All questions carry equal marks.

21. Narrate the history of kinesiology.
22. What is joint and explain its classification in detail.
23. Explain the need and importance of Biomechanics in the field of Physical Education and Sports.
24. Elaborate the lever and its classification in detail.
25. Describe the mechanical analysis of running in detail.

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