

27002

M.P.Ed., DEGREE EXAMINATION, MARCH/APRIL 2019.

SECOND SEMESTER

PHYSICAL EDUCATION

PAPER – II : SPORTS BIOMECHANICS AND KINESIOLOGY

Time : Three hours

Maximum : 75 marks

(No additional sheet will be supplied)

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

Each question carries 5 marks.

Each answer should not exceed 2 page.

1. Nature of applied Kinesiology.
2. Center of Gravity.
3. Types of Motion.
4. Centripetal Force.
5. Principles of Projectiles.
6. Fluid Resistance.
7. Kinetic Energy.
8. Qualitative method.

PART B — (5 × 10 = 50 marks)

Answer ALL questions.

Each question carries 10 marks.

Each answer should not exceed 4 pages.

9. Explain about Scope and importance of applied Kinesiology.

Or

10. Explain about uses of Sports Biomechanics in Sports and Games.

11. Explain Origin, Insertion and Action of muscles around Shoulder Joint.

Or

12. Explain about action of muscles at Abdomen and Trunk.

13. Define Motion. Explain about Laws of Motion.

Or

14. What is Force? Explain about factors of affecting Force.

15. Define Lever. Discuss about different types of Levers with examples.

Or

16. Define Energy, Explain various types of Energy.

17. What is analysis of movement? Explain about various types of analysis.

Or

18. Discuss the scope and objectives of Kinesiology.

