

(M.P.Ed.) SEMESTER – IV May-June 2021

Paper: MPE-1004 (ii): Subject Specialization

Sports Biomechanics

Time: (3 hours +1 hour*)

Maximum Marks: 50

***1 hour is for downloading question paper, scanning the answer sheet and uploading it on the portal**

Note: Attempt any Four questions. All questions carry equal marks.

Q.1 Write a note on Mechanical Energy, Work and Efficiency emphasizing on :

- a) Limitations
- b) Relevance
- c) Testing Procedures
- d) Interpretations of Test Results.

Q.2 Write a note on Single plate technique and discuss its equipment specification, Calibration procedures, expected reliability and other consideration.

Q.3 Write a note on Design, Basic Consideration and utilization of Force Platform.

Q.4 Explain in detail 3-D Cinematography (Equipment Specifications, Calibrations, expected reliability and other consideration).

Q.5 Write briefly on Sampling Rate and Data Smoothing.

Q.6 Write a note on Callibration Procedures and Expected Reliability of Pressure Platforms.