

OPEN BOOK EXAMINATION SCHEME 2020

MASTER OF PHYSICAL EDUCATION

M.P.Ed. Sem. III Nov/Dec 2020

PAPER MPE -0902

FUNDAMENTAL OF SPORTS BIOMECHANICS

SET – II

Instruction for students:

- a) Attempt any **FOUR QUESTIONS**. All question carries equal marks.
- b) The duration of question paper is of **4 hours duration out of which** the student is provided with **3 hours for answering** the question paper and **1 hour is given for** downloading the question paper, scanning the answer sheet in PDF format and uploading the scanned PDF of the answer sheet on the portal.

Maximum Marks: 50

- Q1. Explain any two biomechanical principles with suitable examples. (12.5)
- Q2. Write a note on biomechanical instrumentations. (12.5)
- Q3. Write a note on structure of cyclic, acyclic motor action and combination of motor action with suitable examples. (12.5)
- Q4. Define Reaction force, Friction force, Centrifugal and centripetal forces with suitable examples from physical education. (12.5)
- Q5. State and discuss on the law of angular momentum, law of action and reaction (linear motion) as well as law of action and reaction (angular motion). (12.5)
- Q6. Explain the importance of Biomechanics in Physical Education and Sports. (12.5)