

# Institute of Biomedical Technology

## Biomechanics

### Class Test-I

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#### MCQs: Attempt All

**Q no 1:** Study about the force producing motion is called

- a) Biotic.
- b) Kinetics.
- c) Kinematics.
- d) Biomechanics.

**Q no 2:** Kinesiology is the study of

- a) Human subject.
- b) Human motion.
- c) Human force.
- d) All the above.

**Q no 3:** Kinesiology and Biomechanics are important due to their fundamental work in:

- a) Sport.
- b) Fitness.
- c) Physical education.
- d) All the above.

**Q no 4:** Biomechanics emerged as a specialized field during which time period?

- a) 1950.
- b) 1960.
- c) 1970.
- d) 1980.

**Q no 5:** Biomechanics has roots in which of following discipline.

- a) Physics.
- b) Biology.
- c) Chemistry.
- d) Both A& B.

**Q no 6:** Biomechanical research has contributed to which of the following?

- a) Injury prevention.
- b) Enhance sport performance.
- c) Equipment design.
- d) All the above.

**Q no 7:** Most human movement falls in which category.

- a) Rectilinear.
- b) Curvilinear.
- c) Rotational.
- d) General.

**Q no 8:** description of motion without regard for the forces producing it is:

- a) Kinematics.
- b) Kinetics.
- c) Both A&B.
- d) None of above.

**Q no 9:** when a body Moves either in straight line or along a curved path.

- a) Linear motion.
- b) Rotatory motion.
- c) Curvilinear motion.
- d) Angular motion.

**Q no 10:** which of the following is the most appropriate definition of biomechanics?

- a) The study of human movement.
- b) Study of biological organism.
- c) Study of movement mechanics.
- d) The study of the mechanical aspects of biological organisms.

**Attempt any five of following.**

1. Time.
2. Rigid body mechanics.
3. What is Biomechanics Used For?
4. Plastic.
5. Free Body Diagrams (FBD).
6. Oscillatory motion.
7. Concurrent Force System.
8. Truss Application in Biomedical.

## Answer Key

1. D
2. B
3. D
4. B
5. D
6. D
7. D
8. A
9. A
10. D