

2020

Time : As in Programme

Full Marks : 100

Answer from both the Sections as directed. The figures in the right-hand margin indicate marks.

Section - A

Answer any **three** questions of the following: 20×3

1. What is Posture? Discuss the postural mechanism.
2. Discuss the various types of pathological gait.
3. Write down the brief anatomy of lumbar spine, its kinetics and kinematics.
4. Write down the biomechanics of ankle and foot.

(2)

5. Write down the biomechanics of walking aids. Describe different types of walking aids and their indications.

Section - B

6. Write short notes on any **four** of the following : 10×4

- (a) Kinetics and kinematics of knee joint
 - (b) Isotonic muscle work
 - (c) Arthrokinematics and osteokinematics
 - (d) Stress-strain curve
 - (e) Arches of hand
 - (f) Kinematics of shoulder movements
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