

III - S - BPT / BOT - (Bio Mechanics &
Kinesiology) - (Back)

2025

Full Marks - 100

Time - As in the Programme

The figure in the right hand margin indicates marks.

Answer ALL questions.

Answer any THREE : [20 x 3 = 60

1. Describe Gait Characteristics and Determinants.
2. What are the factors affecting posture ?
3. Describe a functional spinal unit in human body.
4. Write in detail about biomechanics of walking aids.

Answer any FOUR : [10 x 4 = 40

5. Application of resolution of forces in human body.
6. Two leg stance - mechanics.
7. Arches of Foot.

[Cont...

[2]

8. Patellofemoral Joint - Instability.
9. Coxa vara & Coxa valga - Biomechanical implication.
10. Anthrokinematics of elbow joint.



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