

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

2023

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]

1. Application of resolution of forces in human body.
2. Two leg stance - mechanics.

[Cont...

3. Arches of Foot.
4. Patellofemoral Joint - Instability.
5. Coxa vara & Coxa valga - Biomechanical implication.
6. Arthrokinematics of elbow joint.



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