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BACHELOR OF PHYSIOTHERAPY (B. P. T.)
EXAMINATION : JANUARY - 2026
SECOND YEAR

A

Subject: Kinesiology (BPT- 21204)

Date: 23/01/2026

Total Marks: 80

Time: 2.00 pm To 5.00 pm

SECTION – A

Q.1 Answer the following questions in short (Any five) (15)

- a. State Newton's Third Law. Give an example related to human body.
- b. Describe intrinsic plus and minus positions.
- c. Define spherical grip with example.
- d. Enlist ligaments of wrist joint.
- e. Define Motor Unit.
- f. Define Carrying angle at elbow joint.

Q.2 Answer the following questions (Any five) (35)

- a. Describe structure and function of IV Disc.
- b. Describe the role of dynamic stabilizers in maintaining shoulder stability.
- c. Explain Knee Extensor Mechanism.
- d. Describe arches of foot and its functions.
- e. Explain anatomical pulleys in detail.
- f. Explain factors affecting muscle function.

SECTION – B

Q.3 Answer the following questions in detail (Any one) (15)

- a. Describe in detail mechanism of Respiration and muscles of ventilation.
- b. Define lever. Discuss types of lever with examples.

Q.4 Answer the following questions in detail (Any one) (15)

- a. Discuss Shoulder joint in detail under following headings Articulations, Kinematics and kinetics. (5+5+5=15)
- b. Explain structures of Subtalar joint. Describe about Subtalar axis, Subtalar joint function. Add a note on supinated and pronated foot. (5+5+5=15)
