

A

TILAK MAHARASHTRA VIDYAPEETH, PUNE
BACHELOR OF PHYSIOTHERAPY (B. P. T.)
EXAMINATION : MARCH - 2024
SECOND YEAR
Subject: Kinesiology (BPT- 21204)

Date: 7/03/2024

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. Creep
- b. Ligaments of shoulder joint
- c. What are Loose pack and close pack position
- d. Write a note on Anatomical Pulleys and give one example
- e. Define passive insufficiency of a muscle
- f. Moment arm of force

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

- a. Write a note on Coxa Vara and Coxa valga
- b. Write Kinetics and kinematics of sit to stand
- c. Explain Scapulohumeral rhythm
- d. Stress strain curve
- e. Write types of skeletal muscle fibers and types of contraction
- f. Write a note on intervertebral disc in detail

SECTION – B

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

- a. Define Lever. Discuss types of lever with examples
- b. Describe Osteokinematics and arthokinematics of hip in detail

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

- a. Define Gait and write about phases of Gait cycle. Describe Sagittal plane analysis of Gait .Add a note on any two Pathological gait
- b. Describe joints of Elbow complex. Discuss kinetics and kinematics of Elbow joint
