



RAN - 2106000302050002

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S.Y. B. Physiotherapy Examination September - 2023

Kinesiology and Biomechanics

[Total Marks: 80

सूचना : / Instructions

(१)

नीचे दशविवेक निशानीवाणी विगतो उत्तरवली पर अवश्य लपववी.
Fill up strictly the details of signs on your answer book

Name of the Examination:

☛ **S.Y. B. Physiotherapy**

Name of the Subject :

☛ **Kinesiology and Biomechanics**

Subject Code No.: **2106000302050002**

Seat No.:

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Student's Signature

SECTION - I

Q-1 Long Essay Type. (Any One out of Two)

(10*1=10)

1. General properties of connective tissue.

OR

1. Write down the name of GH ligament. Describe glenohumeral osteokinematics and arthrokinematics.

Q-2 Short Essay Type. (Any Three out of Four)

(5*3=15)

1. Types of joint
2. Coracoacromial arch
3. Sarcomere
4. Temporomandibular joint function

Q-3 Short Answer Type. (Any Five out of six)

(3*5=15)

1. Functions of radioulnar joint
2. Acromioclavicular joint disc
3. Concave convex rule

4. Carrying angle
5. Medial collateral ligament of elbow: Function
6. Young's modulus

SECTION - II

Q-4 Long Essay Type. (Any One out of Two) (10*1=10)

1. Write in detail about structure and function of Tibiofemoral joint.

OR

2. Describe why using a cane on the side opposite to hip joint pain or weakness is more effective than using the cane on the same side.

Q-5 Short Essay Type. (Any Three out of Four) (5*3=15)

1. Supination twist
2. Role of primary muscles of ventilation in breathing.
3. Events of stance phase.
4. Intervertebral disc

Q-6 Short Answer Type. (Any Five out of six) (3*5=15)

1. Factor affecting Optimal posture.
2. Patella alta
3. Function of Plantar arches.
4. Knock knee
5. Central edge angle of Wiberg
6. Define: Step length
 Stride length
 Degree of toe out
