GALGOTIAS UNIVERSITY

ADMISSION NUMBER

School of Medical and Allied Sciences

Master of Physiotherapy Specialization in Cardiology
Semester End Examination - Jun 2024

Duration : 180 Minutes
Max Marks : 100

Sem II - L2PB202T - Biomechanics and Clinical Kinesology

General Instructions
Answer to the specific question asked
Draw neat, labelled diagrams wherever necessary
Approved data hand books are allowed subject to verification by the Invigilator

1)	Name the ligaments of the elbow joint and its attachment at proximal and distal ends at elbow joint	K1(2)
2)	Explain about torque , how torque is important for the joint function give some example.	K2(4)
3)	Illlustrate about the carpal bone and its importance in hand function.	K2(6)
4)	How will you develop a method for strenthening the quadriceps and Hamstrings muscles and tendon for the prevention of the injury at knee joint.	K3(9)
5)	Develop a Muscles strengthening training program for the weak sports person.	K3(9)
6)	what would you recommend for the measurement for ROM of shoulder ,elbow and wrist joint explain in detail with positioning show with diagram presentation.	K5(10)
7)	Analyze the biomechanics of throwing. Name the muscle involve in throwing.	K4(12)
8)	Justify the statement as ages progress the muscles are getting sagging what are changes brought in the body give yours answer with suitable examples.	K5(15)
9)	justify the statement that osteoporosis leads muscles pain ,weakness, decrease ROM of joint & fracture what will beyour advice to those paients for prevention of osteoporosis.	K5(15)
10)	Elaborate the role of the biomechanics specialist in assessing the joint and muscles integrity.	K6(18)