Instructions

1. Use blue/black ball point pen only.
2. Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort corruption.
3. All questions are compulsory.
4. There is no negative marking.
5. Draw diagrams wherever necessary.
6. Distribution of question in Question Paper is to be according to entire syllabus.
7. The stipulated time for each Question Paper is only for answering the questions and not for the distribution and collection.
8. Use a correction fluid/pen for all corrections.

Section "A" SAQ (50 V max)

1. Define and explain with suitable examples.
2. Explain Mammalian synovial joint.
3. Describe grades of Meniscal degeneration.
4. Explain characteristics of normal Strength Duration Curve.
5. Describe any two Righthand machines.
6. Ankle Brachial index.

(5X6=30)

J. Just answer question (any five out of six)

1. Stump test
2. Define pain and explain five pain scales.
3. Six minute walk test
4. Assessment of balance
5. Describe normal Arterial Blood Gas study and discuss three deviations.
6. Describe characteristics of normal motor unit action potential and change in neurogenic lesion.

(5X7=35)

P.T.O.
Short answer question (any five out of six):

a) Neurodynamic testing  

b) Principles of exercise prescription in healthy individuals  

c) Assessment and factors affecting balance  

d) Principles of neurodevelopment therapy  

e) Assessment of knee stability  

f) Gait deviations due to neurological dysfunction

SECTION - “B” LAC (30 MARKS)

Long answer questions (any one out of two):

a) A 45 yrs old hypertensive Mrs Suman suffered right hemiplegia one month back. He was referred for physiotherapy from nearby tertiary hospital. He could walk with assistance with an altered gait. However, he is unable to lift his hand and uses it for eating drinks etc. His wife is very supportive but complained he has stopped looking after himself. Discuss assessment and write impairments, activity, and participation factors in ICF format.

b) A 45 yrs old Mrs Vaishali suffered anterior wall myocardial infarction one month back. She is obese and has been recently diagnosed as diabetes. She has been advised CABG. She is apprehensive and feels rest is sufficient. She walks for around 10 minutes a day and does not climb stairs. Discuss assessment and write impairments, activity, and participation factors in ICF format.

Long answer question (any one out of two):

32 yrs sweeper has suffered with right supracondylar fracture of humerus 6 weeks ago. He also sustained fracture of ulna styloid. He cannot hold objects with his right hand. Discuss assessment and write impairments, activity, and participation factors in ICF format.