SECTION A & SECTION B

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 to unfair means.
3. All questions are compulsory.
4. The number to the right indicates full marks
5. Draw diagrams wherever necessary
6. Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
7. Use a common answerbook for all Sections.

SECTION – A SAQ (50 Marks)

1. Short answer question (any five out of six) (5x3=15)
   a) Trendelenberg sign
   b) Enumerate absolute contraindications for exercise testing
   c) Three tests to assess coordination
   d) Enumerate three tests to assess peripheral arterial and venous circulation
   e) Enumerate types of electrodes used in EMG
   f) Metabolic equivalent and its significance

2. Short answer question (any five out of six) (5x7=35)
   a) Describe differential diagnosis for low back pain by using special tests.
   b) Write principle of Mckenzie and describe three syndromes of Mckenzie.
   c) Describe development of hand function.
   d) Describe different types of normal and abnormal breath sounds.
   e) What is reflex reaction? Describe any five primitive reflex reactions.
   f) Define Pain. Describe any three objective scales to document pain.

P.T.O.
SECTION - B LAQ (30 Marks)

3. Long answer question (any one out of two)
   
   a) A 36 year old female, housewife is diagnosed with rheumatoid arthritis since last 2 years. Presently she has pain and stiffness in multiple joints leading to difficulty in her ADL. She resides with her husband and two children and has a full time maid. Write detailed evaluation and functional diagnosis with clinical reasoning. (5+5+5)

   b) 51 year old male, lecturer has undergone Hemiarthroplasty of right hip joint 2 days back. He is known diabetic, hypertensive and is obese. He is having pain which is 6 on NPRS scale and post-operative stiffness. Write detailed evaluation and functional diagnosis with clinical reasoning. (5+5+5)

4. Long answer question (any one out of two)

   a) A 8 year old Spastic diplegic boy, belongs to a well educated family with good socio economic background. He is attending normal school and is good at his studies. Write in detail, evaluation and functional diagnosis with clinical reasoning. (5+5+5)

   b) A 32 year old widow, school teacher by occupation, having two children had traumatic injury to the lumbar spine and sustained fracture of L1 vertebra one week back. Presently she has flaccidity in bilateral lower limbs. Write in detail evaluation and functional diagnosis with clinical reasoning. (5+5+5)