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**Fourth B.P.Th. (2012) Examination, Winter -2020
CARDIOVASCULAR-RESPIRATORY PHYSIOTHERAPY
(INCLUDING CRITICAL CARE)**

Total Duration : Section A+B = 3 Hours

Total Marks : 80

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) : **[5 × 3 = 15]**
 - a) Enumerate muscles incised in postero-lateral thoracotomy.
 - b) Lifestyle modifications following coronary artery bypass grafting.
 - c) Clinical features of Bronchiectasis.
 - d) Three tests to diagnose arterial insufficiency.
 - e) Active cycle of breathing technique.
 - f) Pulmonary function tests in Obstructive lung diseases.

2. Short answer question (**any five** out of six): **[5 × 7 = 35]**
 - a) Discuss intercostal drainage, Write a note on under-water seal drainage.
 - b) Discuss modes of mechanical ventilation.
 - c) Physiotherapy management of varicose ulcers.

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- d) Stump management of below knee amputation.
- e) Absolute and relative contraindications for exercise testing.
- f) Role of pre-operative physiotherapy in major abdominal surgery.

SECTION - B (LAQ) (30 Marks)

3. Long answer question (**any one** out of two) **[1 × 15 = 15]**
- a) A 45 year old farmer, known asthmatic is admitted to chest medicine ward with complains of wheezing, breathlessness, cough and expectoration since last three days and is on optimal medical therapy. He is a chronic smoker, married and sole earning member. Discuss ICF and plan his short term and long term physiotherapy management. **[5 + 5 +5=15]**
 - b) A 40 year old female, right handed, teacher by occupation has undergone right modified mastectomy three weeks back and is receiving chemotherapy. She has swelling in right upper limb and pain in right shoulder. She is married, has two children and wishes to resume her job. Discuss ICF with clinical reasoning. Plan her short term and long term physiotherapy management. **[5 + 5 +5=15]**
4. Long answer question (**any one** out of two) : **[1 × 15 = 15]**
- a) A 50 year old male, chronic smoker, known hypertensive, working as an executive in a Multinational Company suffered from sudden onset chest pain radiating to left upper limb and upper back. His ECG shows ST elevation with pathological Q waves and blood levels show elevated CKMB and Troponin levels. He is medically stable now. Discuss ICF and plan his Cardiac Rehabilitation in details. **[5 + 10=15]**
 - b) A 22 year old male electrician suffered from 30% mixed burns over right upper limb and anterior chest due to an accidental contact with the wiring. He is admitted in the burn unit and is haemodynamically stable. Discuss ICF and plan his short term and long term physiotherapy management. **[5 + 5 + 5=15]**

