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**Fourth B.P.Th. (2012) Examination, Summer - 2021
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** section.

SECTION-A SAQ (50 Marks)

1. Short answer question (**any five** out of six) : **[5 × 3 = 15]**
 - a) Define the terms humidification and Nebulization.
 - b) Enumerated different reasons for desaturation with exercise.
 - c) Enumerate various evaluation parameters' for peripheral arterial disorders.
 - d) Enumerate the list of precautions following radical mastectomy.
 - e) Radiological features seen in a tetralogy of fallot.
 - f) Grades of NYHA Scale.

2. Short answer question (**any five** out of six) : **[5 × 7 = 35]**
 - a) Discuss diaphragm recruitment and strengthening.
 - b) Risk assessment and stratification for coronary artery disease.
 - c) PEP devices - principal, classification & types.

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- d) Plan PT management for a 43 year old male farmer with ILD, presenting with heterogenous opacities in the right lung, MMRC grade 2, dry cough & generalised weakness.
- e) Plan PT management for a 33 year old female receptionist with lymphoedema.
- f) Discuss physiotherapy management on ventilator.

SECTION-B LAQ (30 Marks)

3. Long answer question (any one out of two) : [1 × 15 = 15]

- a) 34 year old male smoker, diagnosed with post PTB bronchiectasis, complains of breathlessness MMRC grade 3, productive cough with copious amounts of sputum. Chest radiograph shows heterogenous opacities all over lung fields with tracheal shift to left side. Discuss ICF & PT management for this case. **[7+8=15]**
- b) 48 year old driver operated for right BK amputation 7 days back, due to peripheral arterial disease. Popliteal artery on the same side is grade 1+. On the left side the dorsalis pedis & posterior tibial are 2+. Discuss ICF & PT management for him. **[7+8=15]**

4. Long answer question (any one out of two) : [1 × 15 = 15]

- a) 35 year old housemaid suffered accidental stove burns 3 days back affecting her upper chest, face & bilateral upper limbs. Discuss her ICF & PT management. Write the Wallace's Rule of Nine. **[6+6+3=15]**
- b) 43 year old businessman has undergone CABG 20 days back. He is a known case of type II DM since 5 years on regulat medication with BMI 32. Plan his phase II cardiac rehabilitation program along with ICF for the same. Give grades of Obesity. **[5+7+3=15]**

