

**51413**

Fourth B.P.Th. (2012) Examination, Winter **2017**  
**CARDIOVASCULAR - RESPIRATORY PHYSIOTHERAPY**  
**(Including Critical Care)**

Total Duration : Section A + B = 3 Hours

Total Marks : 80

## SECTION - A and 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 SAO (50 Marks)

1. Short answer question (any five out of six) : (5x3=15)
  - a) Describe PEP mask and its use.
  - b) Write the need for humidification in intubated patient.
  - c) Write any three exercises to increase thoracic wall mobility.
  - d) Describe 3 energy conservation techniques for breathless patient.
  - e) Forced expiratory techniques.
  - f) 3 modifiable and 3 non-modifiable cardiac risk factors.
2. Short answer question (any five out of six) : (5x7=35)
  - a) Compare and discuss the effects of ACBT and Autogenic drainage in bronchiectasis patients.
  - b) Phase I cardiac rehabilitation.
  - c) Short term Goals of management for a patient on ventilator.
  - d) Classification of Burns and discuss commonly seen deformities in burn patients.
  - e) Complications of bed immobility in ICU patient.
  - f) Ankle Brachial index and its significance.

**P.T.O.**

51413

||| HIND

## SECTION — B LAO (30 Marks)

3. Long answer question (**any one** out of two) : (1x15=15)

- a) 30 years old electrician has electrical burns 2 days back while working and falls from a height. Is admitted to the hospital with 3 ribs fractured on right side. He is unconscious on admission and is put on ventilator. Write impairments, activity and participation limitation and short term management. (5+5+5=15)
- b) 50 years old male sweeper, diagnosed as COPD since 10 years. He comes with increased symptoms since 2 days. Presents with breathlessness at rest and cough with **thick** expectoration. He is given oxygen with nasal prongs and medication. Write impairments, activity and participation limitation and short and long term management. (5+3+7=15)

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

- a) 50 years old male businessman had angina since 1 month. Angiography showed major blocks in LAD and other 2 arteries. He was operated for CABG 2 days back. Grafts taken from **LIMA, RIMA** and radial artery. He needs to drive to work everyday. Write impairments, activity and participation limitation and short term and long term management. (5+3+7=15)
- b) A 25 years old male, chronic smoker, complains of intermittent claudication and cold feet with sweating. Write functional diagnosis and physiotherapy management. (7+8=15)