

Total number of printed pages-8

34 (4) CRDR 4·3

2021

CARDIORESPIRATORY DISORDERS

Full Marks : 80

Time : Three hours

The figures in the margin indicate full marks for the questions.

- I. Long Essay Type Questions : (**any two out of three**)
 $10 \times 2 = 20$
1. What is an I.C.U.? List the various apparatus used in I.C.U. Explain the PT management used in an I.C.U.
 $2 + 3 + 5 = 10$
2. What is Pulmonary Rehabilitation? Explain the components of Pulmonary Rehabilitation.
 $2 + 8 = 10$
3. Define Burns. Give the classification of Burns. Explain the rule of 9. Outline the PT management following Burns.
 $1 + 2 + 2 + 5 = 10$

Contd.

II. Short Essay Type Questions : (**any ten out of twelve**)
5×10=50

1. Write a short note on Incentive Spirometer.
2. Explain ACBT and AD.
3. PT management following Inguinal hernia.
4. Give the Exercise Prescription for a Diabetic Patient, Age-52 yrs, RHR-82. Also mention the precautions.
5. Management of Breathlessness.
6. PT for DVT.
7. Write a short note on Organophosphorus poisoning.
8. Give the indications for Oxygen Therapy. List the equipment used to deliver Oxygen Therapy and mention the complications associated with O₂ Therapy.
9. Mention the phases of Cardiac Rehabilitation. Explain the phase-III in detail for a patient who has undergone a Bypass Surgery, Age-64, RHR-78.

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10. Explain Adult CPR.

11. Explain the Breathing Exercises with its relevance.
12. What is PFT? Mention the major changes found in Obstructive and Restrictive Lung disease.

III. Short Type Answers : (**any five out of seven**)
2×5=10

1. What is Respiratory failure? Mention its types.
2. List the modes of ventilators.
3. Postural drainage for Apicoposterior segment of Upper Lobe of Left Lung.
4. What is Nebulisation and Humidification?
5. Abnormal Breath Sounds.
6. Huffing and Coughing.
7. Two drugs to relieve Bronchospasm.

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Contd.

III. Multiple Choice Questions : 1×20=20

1. Removal of whole Lung is known as :
 - (a) Lobectomy
 - (b) Thoracoplasty
 - (c) Segmentectomy
 - (d) Pneumonectomy.
2. Which is the Pacemaker of the Heart ?
 - (a) SA Node
 - (b) AV Node
 - (c) AV Bundle
 - (d) Bundle of His.
3. Bucket Handle movement occurs in :
 - (a) Lower Ribs
 - (b) Upper Ribs
 - (c) Mid Ribs
 - (d) None of the above.
4. FEV1/FVC is <70% in :
 - (a) OLD
 - (b) RLD
 - (c) ILD
 - (d) None of the above.
5. Solve the ABG :
 $PaCO_2 \rightarrow 60, pH \rightarrow 7.1, HCO_3 = 25$
 - (a) Respiratory Acidosis
 - (b) Respiratory Alkalosis
 - (c) Metabolic Acidosis
 - (d) Metabolic Alkalosis.
6. Normal Suction pressure for adults is _____ mm Hg.
 - (a) 100-120
 - (b) 60-80
 - (c) 8-120
 - (d) 30-50 (Fill in the blank)
7. Kegel's Exercises are given for :
 - (a) Pelvic floor muscles
 - (b) Abdominals
 - (c) Back Extensors
 - (d) All of the above.
8. 6MWT is a _____ test.
 - (a) Submaximal
 - (b) Maximal
 - (c) Both (a) and (b)
 - (d) None of the above (Fill in the blank)

9. ICD (Intercostal Drainage) bottle must be placed :

- (a) Lower than the patient
- (b) Higher than the patient
- (c) Same level
- (d) None of the above.

10. Intercostal Drainage is indicated in all of the following except —

- (a) Empyema
- (b) COPD
- (c) Hydropneumothorax
- (d) Chylothorax.

11. QRS pattern in ECG represents :

- (a) Atrial depolarisation
- (b) Ventricular depolarisation
- (c) Atrial repolarisation
- (d) Ventricular repolarisation.

12. Normal Heart Rate is _____ beats/min.

- (a) 30-40
- (b) 40-60
- (c) 60-80
- (d) 60-100

(Fill in the blank)

13. Pelvic floor muscle training should be given —

- (a) during Pregnancy
- (b) before Pregnancy
- (c) after Pregnancy
- (d) All of the above.

14. On chest percussion stony dullness sound is heard in which condition ?

- (a) Pleural Effusion
- (b) Pneumothorax
- (c) Emphysema
- (d) Chronic Bronchitis.

15. Normal Total Lung Capacity (TLC) is :

- (a) 1-2 lit
- (b) 2-3 lit
- (c) 3-4 lit
- (d) 5-6 lit.

16. Nerve Supply to diaphragm is :

- (a) Vagus nerve
- (b) Phrenic nerve
- (c) Glossopharyngeal nerve
- (d) Facial nerve.

17. In Chest X-ray Pleural Effusion (massive) :
- (a) Obliterates the CP angle
 - (b) Shifts the trachea to the opposite side
 - (c) Both (a) and (b)
 - (d) None of the above.
18. Karvonen's formula is used for :
- (a) RHR
 - (b) MHR
 - (c) THR
 - (d) None of the above.
19. Before Mobilizing the patient in I.C.U., the parameters to be monitored are :
- (a) HR and RR
 - (b) BP
 - (c) SpO_2
 - (d) All of the above.
20. Nasal Prongs are part of :
- (a) Low flow system
 - (b) High flow system
 - (c) Reservoir system
 - (d) None of the above.