



DCM-10602

Seat No. _____

Final Year B. Physiotherapy Examination

July - 2022

Physiotherapy in Cardio - Pulmonary Conditions
(Old Course)

Time : 3 Hours]

[Total Marks : 100

SECTION - I

- 1 Long Essay : (Any one) 2×10=20**
- (1) Write physiotherapy management for 60 Years old patient with bronchial pneumonia.
 - (2) Discuss post - operative physiotherapy assessment and management following lobectomy.
 - (3) Explain in detail about cardio pulmonary resuscitation.
- 2 Short essay : (Any three) 2×5=10**
- (1) Exercise tolerance test
 - (2) Pulmonary function test
 - (3) Humidifier
- 3 Very short essay : (Any five) 5×2=10**
- (1) Vocal resonance
 - (2) Pump handle movement
 - (3) Huffing and cuffing
 - (4) Contraindication of postural drainage
 - (5) Types of asthma
 - (6) Cor pulmonary
- 4 Multiple choice question (MCQ) 10×1=10**
- (1) Tetralogy of Fallot include
 - (a) VSD, ASD, PS and RVS
 - (b) VSD, PS, RVH, Overriding of aorta
 - (c) VSD, PS, LVH, Coarctation of aorta
 - (d) PS, AS and Biventricular hypertrophy

- (2) Suction times should be less than
 - (a) 5 seconds
 - (b) 20 seconds
 - (c) 15 seconds
 - (d) 30 seconds
- (3) Which is not a complication of hyperinflation?
 - (a) Pneumothorax
 - (b) Bronchospasm
 - (c) Increased cardiac output
 - (d) Decreased cardiac output
- (4) Shifting of mediastinum to right may occur in
 - (a) Right collapse
 - (b) Left collapse
 - (c) Right pleurisy
 - (d) None of the above
- (5) The duration at QRS complex is
 - (a) 0.12 to 0.2 sec
 - (b) 0.08 to 0.1 sec
 - (c) 0.1 to 0.15 sec
 - (d) 0.02 to 0.04 sec
- (6) Flutter is a
 - (a) High frequency PEP device
 - (b) Chest compressor
 - (c) Vibrator
 - (d) None of the above
- (7) Goose neck deformity is found in
 - (a) ASD
 - (b) VSD
 - (c) AP window
 - (d) PDA
- (8) Removal of the whole lung is called
 - (a) Thoarcotomy
 - (b) Thoracoplasty
 - (c) Sleeve Resection
 - (d) Pneumonectomy
- (9) Immediately following pneumonectomy patient should be positioned in
 - (a) Side lying on operated side
 - (b) Side lying on sound side
 - (c) Supine lying
 - (d) Half lying
- (10) FEV₁/ FVC ratio may decrease in
 - (a) Airway disease
 - (b) Obstructive airway disease
 - (c) Restrictive airway disease
 - (d) Interstitial airway diseases

SECTION - II

- 5 Long Essay : (Any one) 2×10=20**
- (1) Physiotherapy assessment and management for right side pleural effusion patient.
 - (2) Plan cardiac rehabilitation for patient who undergone CABG before 1 week.
 - (3) Write sign and symptom of persistent ductus arteriosum.
- 6 Short essay : (Any three) 2×5=10**
- (1) Complication of mechanical ventilator
 - (2) Aortic stenosis
 - (3) Modes of ventilator
- 7 Very short essay : (Any five) 5×2=10**
- (1) Autogenic drainage
 - (2) Segmental breathing exercise
 - (3) GOLD classification
 - (4) Borg scale
 - (5) Vital capacity
 - (6) Nebulizer
- 8 Multiple choice question (MCQ) 10×1=10**
- (1) hyperinflation of lung in COPD is characterized by
 - (a) flattening of diaphragm
 - (b) narrowing of rib cage
 - (c) shifting of trachea
 - (d) none of above
 - (2) Chest wall with depressed sternum is referred to
 - (a) pectus carinatum (b) pectus excavatum
 - (c) Harrison sulcus (d) none of above
 - (3) chest X- ray is commonly taken in
 - (a) AP view (b) PA view
 - (c) lateral view (d) oblique view

- (4) The primary muscle of inspiration is
(a) intercostal (b) abdominal
(c) diaphragm (d) all of above
- (5) Central cyanosis seen in
(a) hand (b) feet
(c) eyes (d) tongue
- (6) Normal pH values
(a) 7.10 - 7.20 (b) 7.35 - 7.45
(c) 7.40 - 7.50 (d) 7 - 7.10
- (7) Hoover's sign is found in
(a) hyperinflated lung (b) ASD
(c) VSD (d) all of above
- (8) during exercise dead space
(a) increases (b) decreases
(c) remains same (d) none of above
- (9) hemoptysis is
(a) blood in vomiting (b) blood in stool
(c) blood in urine (d) blood in sputum
- (10) NYHA classification for
(a) dyspnea (b) cough
(c) chest mobility (d) sputum
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