

Rajiv Gandhi University of Health Sciences, Karnataka
Second Year M.Sc. (Nursing) Degree Examination - 24-Feb-2023

[Time: 3 Hours]

[Max. Marks: 80]

CARDIO VASCULAR AND THORACIC NURSING
(RS3/RS4)

Q.P. CODE: 9641

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

Answer All The Questions

8 X 10 = 80 Marks

1. Role of nurse in cardiac diagnostic studies.
2. Define coronary artery syndrome, enumerate pathophysiology and explain its management.
3. Discuss pathophysiology of COPD and its management.
4. Explain about inotropic agents.
5. Role of a nurse in cardio version and defibrillation.
6. Role of a nurse in tracheostomy care.
7. Nursing audit.
8. Differentiate cardiac tamponade and cardiac effusion.

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Rajiv Gandhi University of Health Sciences, Karnataka
Second Year M.Sc. (Nursing) Degree Examination - 20-May-2022

Time: 3 Hours

Max. Marks: 80

CARDIO VASCULAR AND THORACIC NURSING
(RS3/RS4)
Q.P. CODE: 9641

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

Answer All The Questions

8 X 10 = 80 Marks

1. Describe the Pulmonary Function Test
2. Discuss the etiology, clinical manifestations, medical and nursing management of Rheumatic heart disease
3. Explain the pathophysiology and nursing management of respiratory failure
4. Explain the post operative nursing care of a patient undergoing valvular replacement surgery for Aortic Stenosis
5. Define pulmonary embolism of enumerate etiopathogenesis and management of P. embolism
6. What is Tetralogy of Fallot? Prepare a nursing care plan for a 3 year old child undergoing correction for Tetralogy of Fallot
7. Care of patient with Tracheostomy
8. Discuss the prevention of ICU psychosis among ICU patients

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Rajiv Gandhi University of Health Sciences, Karnataka
Second Year M.Sc. (Nursing) Degree Examination - 28-Jul-2021

[Time: 3 Hours]

[Max. Marks: 80]

CARDIO VASCULAR AND THORACIC NURSING
(RS3/RS4)
Q.P. CODE: 9641

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

Answer All The Questions

8 X 10 = 80 Marks

1. Explain complications and nursing care of patient undergoing thoracic surgeries.
2. Write a note on Defibrillation and Cardioversion.
3. Define coronary artery disease and explain about primary prevention of CAD.
4. Explain pathophysiology of pulmonary TB and write a note on DOTS therapy.
5. Define Aortic aneurysm and explain the surgical management of Aortic aneurysm.
6. Classify pneumonia and explain the clinical features of pneumonia.
7. Write a note on pulmonary embolism.
8. Explain the peripheral arterial diseases of lower extremities.

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Rajiv Gandhi University of Health Sciences, Karnataka
Second Year M.Sc. (Nursing) Degree Examination - 26-Nov-2021

[Time: 3 Hours]

[Max. Marks: 80]

CARDIO VASCULAR AND THORACIC NURSING
(RS3/RS4)

Q.P. CODE: 9641

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

Answer All The Questions

8 X 10 = 80 Marks

1. Write the type of lung tumor, risk factors, pathophysiology and management of lung tumor.
2. Explain the complications and medical management of primary hypertension.
3. Write the causes, pathophysiology and clinical manifestations of Rheumatic Heart Disease (RHD).
4. Explain in detail the basic life support (BLS) and advanced cardiac life support (ACLS).
5. Write types of pneumonia, pathophysiology, complications and nursing management of pneumonia.
6. Discuss the Nurses role in preparation of patient before and after cardiac catheterization procedure.
7. Write the clinical manifestations of COPD? Discuss the medical and nursing management of COPD.
8. Explain the nursing management of a patient undergoing mechanical ventilation.

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Rajiv Gandhi University of Health Sciences, Karnataka

Second Year M.Sc. (Nursing) Degree Examination - 04-Sep-2020

[Time: 3 Hours]

[Max. Marks: 80]

CARDIO VASCULAR AND THORACIC NURSING (RS3/RS4)

Q.P. CODE: 9641

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

ANSWER THE FOLLOWING

4 X 15 = 60 Marks

1. Mr. Prabhu, 59 years old man admitted to the ward with fluttering in the chest, tachycardia, bradycardia, fainting and diagnosed as Arrhythmias.
 - a) Define Arrhythmias.
 - b) Explain the different types and causes of Arrhythmias.
 - c) Explain in detail about management of Arrhythmias.
2. Mrs. Seema, 55 years old women was admitted to the ward with tightness of chest, pain in the chest, back, jaw with sweating and diagnosed as Myocardial Infarction (MI).
 - a) Define MI.
 - b) Explain the pathophysiology with management of client with MI.
 - c) Discuss pre and post operative nursing care of client undergoing CABG.
3. Mr. Sunny, 52 years old is admitted to the Respirator unit with complaints of Wheezing, chronic cough, cyanosis and diagnosed as Chronic Obstructive Pulmonary Disease (COPD).
 - a) Define COPD.
 - b) Explain the pathophysiology with signs and symptoms.
 - c) Discuss management of client with COPD.
4. Explain briefly on:
 - a) Organization and design of Coronary care unit.
 - b) Special equipment and supplies required within the Coronary care unit.
 - c) Discuss the qualities of nurse working in a Coronary care unit.

SHORT NOTES (Answer any TWO)

2 X 10 = 20 Marks

5. Anti hypertensive drugs
6. Hemodynamic monitoring
7. Stress testing
8. Cardiac enzymes and Bi-PAP and C-PAP masks

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Rajiv Gandhi University of Health Sciences, Karnataka
Second Year M.Sc. (Nursing) Degree Examination - 25-Nov-2020

[Time: 3 Hours]

[Max. Marks: 80]

CARDIO VASCULAR AND THORACIC NURSING
(RS3/RS4)

Q.P. CODE: 9641

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

Answer All The Questions

08 X 10 = 80 Marks

1. Explain the pathophysiological basis of clinical features in CCF and explain the Nursing care.
2. Explain clinical features in ARDS and explain the importance of prone position in ARDS.
3. Classify types of Cardiomyopathy and explain in detail about Dilated Cardiomyopathy.
4. Discuss the clinical features in Lung abscess and write a nursing care plan for patient with Lung abscess.
5. Explain the causes and complications of Aortic dissection.
6. Write patient education in permanent pacemaker therapy.
7. Role of a nurse in infection control
8. Arterial blood gas analysis

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Rajiv Gandhi University of Health Sciences, Karnataka
Second Year M.Sc. (Nursing) Degree Examination - OCT-2019

[Time: 3 Hours]

[Max. Marks: 80]

CARDIO VASCULAR AND THORACIC NURSING
(Revised Scheme 3)

Q.P. CODE: 9641

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

ANSWER THE FOLLOWING

4 X 15 = 60 Marks

1. a) Explain the pathophysiological basis of signs and symptoms in a patient with acute myocardial infarction.
b) Explain the postoperative nursing management including complications for the first 48 hours in a patient who has undergone coronary artery bypass graft. (5+10)
2. a) Define chronic bronchitis.
b) Explain the pathophysiology and clinical manifestations in a client with chronic bronchitis.
c) Explain the nurse's role in management of a client with chronic bronchitis. (2+5+8)
3. a) Classify hypertension.
b) Explain the pathophysiology and clinical manifestations of a patient with hypertension.
c) Describe the pharmacological management of a patient with hypertension. (2+5+8)
4. List the clinical manifestations and haemodynamic changes in the following congenital anomalies of heart:-
 - a) Tetralogy of Fallot
 - b) Patent Ductus Arteriosus
 - c) Coarctation of Aorta (5+5+5)

SHORT NOTES (Answer any TWO)

2 X 10 = 20 Marks

5. Nursing audit in coronary care unit
6. Health education for a client with pulmonary tuberculosis
7. Cardiac rehabilitation
8. Pulmonary function test

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Rajiv Gandhi University of Health Sciences
Second Year M.Sc.(Nursing) Degree Examination - APRIL-2019

[Time: 3 Hours]

[Max. Marks: 80]

Cardio Vascular and Thoracic Nursing
(RS-3 & RS-4)

Q.P. CODE : 9641

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

ANSWER THE FOLLOWING

4 X 15 = 60 Marks

1. a. Define Bronchial Asthma. (2+6+7)
b. Explain the pathophysiology and clinical manifestations of Bronchial Asthma.
c. Discuss the medical and nursing management of patient with Bronchial Asthma.
2. a. Define Angina. (2+6+7)
b. Enumerate the causes and types of Angina.
c. Discuss medical and nursing management of patient with Angina.
3. a. Define Rheumatic Heart Disease. (2+6+7)
b. Explain the pathophysiology and clinical manifestations of Rheumatic Heart Disease.
c. Describe the medical and nursing management of patient with Rheumatic Heart Disease.
4. a. Define Pulmonary Tuberculosis. (2+6+7)
b. Explain the pathophysiology and clinical manifestations of Pulmonary Tuberculosis.
c. Describe the medical and nursing management of patient with Pulmonary Tuberculosis.

SHORT NOTES (Answer any TWO)

2 X 10 = 20 Marks

5. Mechanical Ventilation.
6. Explain anti-hypertensive drugs.
7. Chest physiotherapy.
8. Cardiac rehabilitation.

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Rajiv Gandhi University of Health Sciences

Second Year M.Sc.(Nursing) Degree Examination - APRIL-2018

[Time: 3 Hours]

[Max. Marks: 80]

Cardio Vascular and Thoracic Nursing

(Revised Scheme 3)

Q.P. CODE : 9641

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary.

ANSWER THE FOLLOWING

4 X 15 = 60 Marks

1. Mr. Prakash, 54 years old men admitted to the ward with heart murmurs, arthralgia and carditis.
 - a) Define Rheumatic Heart Disease (RHD).
 - b) Explain pathophysiology of RHD.
 - c) Discuss the management of client with RHD.
2. Mrs. Rani, 49 years old is admitted to the respiratory unit with complaints of altered consciousness, profuse sweating, restlessness and is diagnosed to have Acute respiratory failure.
 - a) Define Acute Respiratory Failure.
 - b) Explain the pathophysiology of acute respiratory failure.
 - c) Discuss the medical and nursing management of client with ARF.
3.
 - a) What is cardiac rehabilitation?
 - b) Discuss the various phases of cardiac rehabilitation.
 - c) Discuss life style modification in terms of diet and exercise for patient with acute myocardial infraction.
4.
 - a) List the indications and contraindications for Coronary Artery bypass grafting.
 - b) Discuss the nurses role in preparation of patient before and after CABG.
 - c) List the possible complications associated with CABG and how to prevent them.

SHORT NOTES (Answer any TWO)

2 X 10 = 20 Marks

5. Pulmonary function test
6. Anti-arrhythmic drugs
7. Organization and design of coronary care unit
8. Ventilators

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Rajiv Gandhi University of Health Sciences

Second Year M.Sc.(Nursing) Degree Examination - SEP-2018

[Time: 3 Hours]

[Max. Marks: 80]

Cardio Vascular and Thoracic Nursing (Revised Scheme 3)

Q.P. CODE : 9641

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary.

ANSWER THE FOLLOWING

4 X 15 = 60 Marks

1. a) Define Congestive Cardiac Failure. (1+2+4+8)
b) Describe types of Congestive Cardiac Failure.
c) Explain the pathophysiology of Congestive Cardiac Failure.
d) Discuss the medical and nursing management of Left Side Heart Failure.
2. a) Define Cor Pulmonale. (2+5+8)
b) Discuss the pathophysiology and clinical manifestations.
c) Explain medical and nursing management of patient with Cor Pulmonale.
3. a) Discuss the etiology, pathophysiology and clinical manifestations of Rheumatic Heart disease. (7+8)
b) Explain the medical and nursing management of patient with Rheumatic Heart disease.
4. a) Define Bronchiectasis. (2+5+8)
b) Discuss the pathophysiology, clinical features and diagnostic tests.
c) Explain nursing management of patient with Bronchiectasis using nursing process.

SHORT NOTES (Answer any TWO)

2 X 10 = 20 Marks

5. Care of the critically ill patients
6. Care of patient with water seal drainage
7. Prevention of ICU Psychosis among ICU patients
8. Care of patient with Tracheostomy

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Rajiv Gandhi University of Health Sciences

Second Year M.Sc.(Nursing) Degree Examination - APRIL 2017

[Time: 3 Hours]

[Max. Marks: 80]

Cardio Vascular and Thoracic Nursing (Revised Scheme 3)

Q.P. CODE : 9641

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary.

ANSWER THE FOLLOWING

4 X 15 = 60 Marks

1. Mrs. Asha, 52 years old women admitted to the ward with dysrhythmias, chest pain, cyanosis and weak peripheral pulse.
 - a) Define Cardiogenic shock.
 - b) Enumerate the causes and risk factors of cardiogenic shock and pathophysiology of cardiogenic shock.
 - c) Discuss the management of patient with cardiogenic shock.
2. Mr. Prakash, 50 years old man admitted to the respiratory unit with complaints of wheezing, shortness of breath and chest tightness and is diagnosed with Bronchial asthma.
 - a) List the causes and risk factors of bronchial asthma.
 - b) Describe the medical management of patient with status asthmaticus.
 - c) Discuss the nursing management of a patient with status asthmaticus.
3. A child is admitted with Rapid Heart Rate, breathlessness, sweating with crying and poor eating and diagnosed as Patent Ductus Arteriosus (PDA).
 - a) Define Patent Ductus Arteriosus.
 - b) Explain the etiology and diagnostic evaluation.
 - c) Explain the management of child with PDA.
4.
 - a) List the indications, modes of ventilation.
 - b) Principles and types of mechanical ventilators.
 - c) Discuss the role of nurse in weaning a patient off the ventilator.

SHORT NOTES (Answer any TWO)

2 X 10 = 20 Marks

5. Cardiac monitoring
6. Postural drainage
7. Cardio Pulmonary resuscitation
8. Arterial blood gas analysis

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Rajiv Gandhi University of Health Sciences

Second Year M.Sc.(Nursing) Degree Examination - OCT-2017

[Time: 3 Hours]

[Max. Marks: 80]

Cardio Vascular and Thoracic Nursing (Revised Scheme 3)

Q.P. CODE : 9641

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary.

ANSWER THE FOLLOWING

4 X 15 = 60 Marks

1. Mr. X, aged 65 years, is admitted in respiratory ward and is diagnosed as Pulmonary Tuberculosis. (2+6+7)
 - a) Define Pulmonary Tuberculosis.
 - b) Explain the pathophysiological basis of signs and symptoms of Mr. X with Pulmonary Tuberculosis.
 - c) Discuss in detail about management of Mr. X with Pulmonary Tuberculosis.
2.
 - a) Define Atelectasis. (2+6+7)
 - b) Write in detail about etiology and clinical manifestations and pathophysiology of Atelectasis.
 - c) Discuss in detail about management of patient with Atelectasis.
3. Explain in detail about the etiology, pathophysiology and management of Lung Cancer.
4. Explain in detail about recent advances in the management of patient with Cardiothoracic conditions.

SHORT NOTES (Answer any TWO)

2 X 10 = 20 Marks

5. Detail the Prevention of Coronary Artery Diseases.
6. Describe the Cardiac Catheterization.
7. Explain Pericarditis.
8. Describe Percutaneous Transluminal Coronary Angioplasty (PTCA).

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Rajiv Gandhi University of Health Sciences
Second Year M.Sc.(Nursing) Degree Examination - OCTOBER
2016

[Time: 3 Hours]

[Max. Marks: 80]

Cardio Vascular and Thoracic Nursing
(Revised Scheme 3)

Q.P. CODE : 9641

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary.

ANSWER THE FOLLOWING

4 X 15 = 60 Marks

1. Mr. X aged 60 years is admitted to CCU with the diagnosis of IInd degree Heart block with Left Ventricular failure.
 - a) Explain the pathophysiology of Heart Block in relation to Left Ventricular Failure. (5+3+7)
 - b) List the types of Heart Block with ECG changes.
 - c) Explain the medical and surgical interventions in correction of Heart Block.
2.
 - a) List the etiological factor and risk factors for Pulmonary Tuberculosis. (5+3+7)
 - b) Explain the pathophysiological changes occurs on the lungs due to Pulmonary Tuberculosis.
 - c) Explain the anti-tuberculin drug regimen and nurses role in implementing WHO's Global Tuberculosis Programme at Community level.
3.
 - a) Explain the types of Cardiomyopathy in relation its pathophysiology. (6+9)
 - b) Nursing management of patient with Restrictive Cardiomyopathy
4.
 - a) Explain the etiological factors and pathophysiology of Mitral Valve Stenosis. (6+9)
 - b) Explain the responsibility of the nurse in pre and post operative preparation of a patient undergoing Mitral Valve Replacement Surgery.

SHORT NOTES (Answer any TWO)

2 X 10 = 20 Marks

5. Arterial Blood Gas Analysis as an aid in diagnosis of Respiratory Acidosis and Alkalosis
6. Anti-Arrhythmic drugs and their contraindications
7. Nursing management of patient with inter-costal drainage
8. Infection control and safety measures in ICU

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Rajiv Gandhi University of Health Sciences
Second Year M.Sc.(Nursing) Degree Examination - April/May
2016

[Time: 3 Hours]

[Max. Marks: 80]

Cardio Vascular and Thoracic Nursing
(Revised Scheme 3)

Q.P. CODE : 9641

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary.

ANSWER THE FOLLOWING

4 X 15 = 60 Marks

1. a) What are the risk factors of Coronary Artery disease? (3+4+8)
b) Describe the pathophysiology of Myocardial Infarction and clinical manifestations.
c) Explain the medical and nursing management of a patient with Myocardial Infarction.
2. a) Define Pulmonary Embolism. (2+5+8)
b) List-down the causes, clinical features and diagnostic tests.
c) Explain the medical and nursing management of patient with Pulmonary Embolism.
3. a) List-down the indications for doing Open Heart Surgery. (7+8)
b) Discuss the pre and post-operative nursing management of a patient undergoing Cardio-Thoracic Surgeries.
4. a) List the causes for Adult Respiratory Distress Syndrome. (2+5+8)
b) Discuss the pathophysiological changes, specific investigations.
c) Explain the nursing management of patient with Adult Respiratory Distress Syndrome.

SHORT NOTES (Answer any TWO)

2 X 10 = 20 Marks

5. Anti-Thrombolytic agents
6. Nursing care of patient on Mechanical Ventilator
7. Pulmonary function test
8. Cardiac enzymes

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Rajiv Gandhi University of Health Sciences

Second Year M.Sc.(Nursing) Degree Examination - MAY 2015

[Time: 3 Hours]

[Max. Marks:

80]

Cardio Vascular and Thoracic Nursing

(Revised Scheme 3)

Q.P. CODE : 9641

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary.

ANSWER THE FOLLOWING

4 X 15 = 60 Marks

1. Mr. A, aged 55 years, is admitted to Intensive Coronary Care Unit (ICCU) with the diagnosis of Myocarditis. (2+6+7)
 - a) Define Myocarditis.
 - b) Explain the pathophysiological basis of signs and symptoms of Mr. A with Myocarditis.
 - c) Discuss in detail about management of Mr. A with Myocarditis.
2.
 - a) Define Pneumonia. (2+6+7)
 - b) Write in detail about clinical manifestations and pathophysiology of Pneumonia.
 - c) Discuss in detail about management of patient with Pneumonia.
3. Explain in detail about the etiology, pathophysiology and management of Myocardial Infarction.
4.
 - a) Define Hypertension. (2+6+7)
 - b) Discuss the types and pathophysiology of Hypertension.
 - c) Explain in detail about management of the patient with Hypertension.

SHORT NOTES (Answer any TWO)

2 X 10 = 20 Marks

5. Electro Cardio Gram (ECG)
6. Discuss Cardiac monitoring.
7. Describe the Cardiopulmonary resuscitation.
8. Explain the duties and responsibilities of nurse in coronary care unit in detail.

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Rajiv Gandhi University of Health Sciences

Second Year M.Sc.(Nursing) Degree Examination - May 2014

[Time: 3 Hours]

[Max. Marks: 80]

Cardio Vascular and Thoracic Nursing (Revised Scheme 3)

Q.P. CODE : 9641

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary.

ANSWER THE FOLLOWING

4 X 15 = 60 Marks

1. Mr X, aged 60 years, is admitted to CCU with diagnosis of congestive cardiac failure (CCF) with severe pulmonary edema.
 - a) Explain the pathophysiological basis of signs and symptoms of Mr. X. with CCF.
 - b) List the various diagnostic measures.
 - c) Explain the medical and nursing management for a patient with CCF. (5+3+7)
2.
 - a) Explain the indications and contraindications for cardiac catheterization.
 - b) Explain the responsibility of the nurse in pre and postoperative preparation of a patient undergoing cardiac catheterization. (6+9)
3.
 - a) List the common respiratory emergencies.
 - b) Explain the role of a nurse in managing respiratory emergencies. (5+10)
4.
 - a) Define arrhythmias.
 - b) Classify arrhythmias.
 - c) Explain the management of a patient with pacemaker. (2+4+9)

SHORT NOTES (Answer any TWO)

2 X 10 = 20 Marks

5. Shunt procedures performed in a child with Tetralogy of Fallot
6. Medical management of a client with status asthmaticus
7. Management of complications in a patient on mechanical ventilator
8. Burnout syndrome among nurses in intensive coronary care unit

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