

**Final M.Sc. Nursing (Medical Surgical Nursing : Cardio Vascular
& Thoracic Nursing) Examination, Winter - 2022
CARDIO VASCULAR AND THORACIC NURSING - II**

Total Duration : 3 Hours

Total Marks : 75

- Instructions :**
- 1) Use **blue/black** ball point pen only.
 - 2) **Do not write anything on the blank portion of the question paper.** Rough Work should not be done on the Answer Sheets or anywhere on the Question Paper except the specific space provided for the rough work. 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.
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 - 7) Use a common answerbook for **all** sections.

SECTION - I (38 Marks)

1. Long answer question : [3+4+5=12]
 - ~~a)~~ Classify Aneurysms. [3]
 - ~~b)~~ State the assessment of the patient with aortic aneurysm. [4]
 - ~~c)~~ How will you prepare a patient for thoracic surgery? [5]

2. Long answer question : [2+4+5=11]
 - ~~a)~~ Define Unstable Angina. [2]
 - ~~b)~~ Describe the pathophysiology of Acute Myocardial Infarction. [4]
 - ~~c)~~ Explain in detail the nursing management of Acute Myocardial Infarction. [5]

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[3×5=15]

3. Short answer question (any three out of five) :

- ~~a)~~ Pulmonary Embolism.
- ~~b)~~ ACLS.
- c) 12 Lead ECG.
- ~~d)~~ Venous Thrombosis.
- e) Inotropic drugs.

SECTION - II (37 Marks)

4. Long answer question

[3+4+5=12]

- ~~a)~~ Indication for Pneumonectomy. [3]
- ~~b)~~ Pathophysiology in Pulmonary Tuberculosis. [4]
- ~~c)~~ Explain in detail the postoperative nursing management of patient undergone right Pneumonectomy. [5]

5. Long answer question

[4+6=10]

- ~~a)~~ What are the different methods of Oxygen Delivery System? [4]
- ~~b)~~ State the Indications and Modes of Mechanical Ventilation. [6]

6. Short answer question (any three out of five) :

[3×5=15]

- ~~a)~~ Cardiac Emergencies.
- ~~b)~~ Quality Assurance in ICCU.
- ~~c)~~ Diuretics in Cardiac Patients.
- ~~d)~~ Pleural Effusion.
- e) CVP Monitoring.

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**Final M.Sc. Nursing (Medical Surgical Nursing: Cardio Vascular and Thoracic Nursing) Examination, (Phase - II) Summer - 2022
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SECTION - I (38 Marks)

1. A 60 yrs. old female is admitted in CCU with chest pain and breathlessness. Angiography reveals TVD for which she is advised surgery. [3+4+5=12]
 - a) Enlist the indications of cardiac surgery.
 - b) Enumerate the complications of cardiac surgery.
 - c) Discuss the nursing care of patient undergoing cardiac surgery.
2. Long answer question: [2+4+5=11]
 - a) Define ventilation and respiration.
 - b) Explain the different modes of ventilator.
 - c) Discuss the strategies to prevent ventilator associated pneumonia.

3. Brief answer question (any three out of five): [3 × 5 = 15]
- Nurses role in hemodynamic monitoring
 - Pneumothorax.
 - Buerger's disease.
 - Jones criteria in diagnosis of Rheumatic fever.
 - Defects in tetralogy of fallot and its surgical management.

SECTION - II (37 Marks)

4. A 30 year old male is referred to the hospital with the diagnosis of TB. [3+4+5=12]
- Enumerate the clinical manifestations of TB.
 - Describe mantoux test and its interpretation.
 - Explain the medical management of patient with TB (DOTS).
5. A 40 year old housewife is admitted in CCU with breathlessness, hemoptysis and pedal edema. She has been diagnosed as a case of congestive cardiac failure. [4+6=10]
- List the signs and symptoms of CCF with rationale.
 - Discuss her medical and nursing management.
6. Short answer question (any three out of five): [3 × 5 = 15]
- Diet in hypertension.
 - PFT (Pulmonary Function Test).
 - Cardiac markers and cardiac enzymes.
 - ECG changes in myocardial infarction.
 - Nurses role in management of client with permanent pacemaker implant.



Final M.Sc. Nursing (Medical Surgical Nursing : Cardio Vascular
& Thoracic Nursing) Examination, Summer Phase - II
(All Other, Except PG Medical) - 2021

CARDIOVASCULAR & THORACIC NURSING - II

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Total Marks : 75

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SECTION - "A" (38 Marks)

1. Long answer question: [3+4+5=12]
 - a) Explain the types of Arrhythmias. [3]
 - b) Explain the pathophysiology of congestive cardiac failure(CCF). [4]
 - c) Explain nursing management of patient with myocardial infarction. [5]

2. Long answer question: [2+4+5=11]
 - a) Define atrial septal defect (ASD). [2]
 - b) Explain the clinical manifestations of heart block. [4]
 - c) Write down the nursing management of patient with cyanotic heart diseases. [5]

3. Short answer question (any three out of five): [3×5=15]
 - a) Ethical and legal implications in CVT nursing.
 - b) Echocardiogram.
 - c) Cardiopulmonary resuscitation (CPR). 2
 - d) Care of critically ill patients. 2
 - e) Explain drugs used in cardiac emergencies.

SECTION - B (37 Marks)

4. Long answer question: [3+4+5=12]
- a) Explain the principles of open heart surgery. [3]
 - b) Explain pathophysiology of Rheumatic heart disease. [4]
 - c) Write down nursing management of patient with coronary artery bypass graft (CABG). [5]
5. Long answers question: [4+6=10]
- a) Explain clinical manifestations of patient with Bronchial asthma. [4]
 - b) Write down the nursing management of patient with Chronic obstructive pulmonary disease.(COPD). [6]
6. Short answer question (any three out of five): [3×5=15]
- a) Nurses role in cardiac catheterization.
 - b) ACE inhibitors.
 - c) Chest physiotherapy.
 - d) Mobile coronary care unit
 - e) Nursing care of a patient with tracheostomy.



Final M.Sc. Nursing Examination, Summer (Phase - III All Other
Remaining UG/PG Courses) - 2020

**MEDICAL SURGICAL NURSING : CARDIO VASCULAR &
THORACIC NURSING - II**

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Total Marks : 75

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SECTION - "A" (38 Marks)

1. Long answer question : [3 + 4 + 5 = 12]
 - a) What is Artificial Pacemaker?
 - b) Indications for Temporary and Permanent Pacemaker Implantation.
 - c) Nursing Management and Health Education after Permanent Pacemaker Implantation.

2. Long answer question : [2 + 4 + 5 = 11]
 - a) List the Indications for Mechanical Ventilation.
 - b) Explain the BI-PAP and C-PAP modes of Ventilation.
 - c) Explain the Nursing care of a patient on Mechanical Ventilation.

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3. Short answer question (any three out of five) :

[3 × 5 = 15]

- a) ABG analysis in a Patient with COPD.
- b) Cardiac Enzymes.
- c) ICU Psychosis.
- d) Inotropic Drugs.
- e) Ventricular septal defect

SECTION - "B" (37 Marks)

4. Long answer question :

[3 + 4 + 5 = 12]

- a) Drugs used in the management of Pulmonary Embolism.
- b) Prevention of Deep Vein Thrombosis.
- c) Nursing care of a patient with Acute Myocardial Infarction.

5. Long answer question :

[4 + 6 = 10]

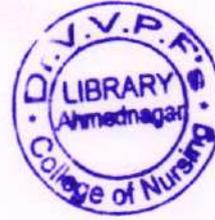
- a) Discuss Indication and Preparation for Bronchoscopy.
- b) Explain methods of CVP monitoring and its significance.

6. Short answer question (any three out of five) :

[3 × 5 = 15]

- a) Positive End Expiratory Pressure therapy.
- b) Digitalis toxicity.
- c) Asthma Pathophysiology and its Sign/symptoms.
- d) Complications of cardiac surgery and its interventions
- e) Cardiac Rehabilitation.





**Final M.Sc. Nursing (Medical Surgical Nursing : Cardio Vascular and Thoracic Nursing) Examination, Winter
(Phase - III All Other remaining UG/PG Course) - 2019
CARDIO VASCULAR & THORACIC NURSING - II**

Total Duration : 3 Hours

Total Marks : 75

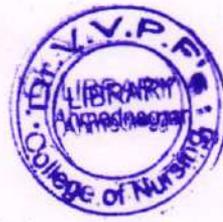
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SECTION - I (38 Marks)

1. Long answer question: [3+4+5=12]
 - a) Explain the arrhythmias originating in the atria. [3]
 - b) Discuss atrial fibrillation with ECG changes. [4]
 - c) How will you manage patient during atrial fibrillation? [5]

2. Long answer question : [2+4+5=11]
 - a) Explain different bypass graft used for coronary revascularization. [2]
 - b) Explain cardiopulmonary bypass and how myocardial protection done during surgery. [4]
 - c) List down hemodynamic measurements monitor in ICU and discuss role of nurse during such monitoring. [5]

3. Short answer question (**any three** out of five): [3 × 5 = 15]
 - a) Pericardiocentesis.
 - b) Nutritional therapy in chronic heart failure.
 - c) Nursing management of child with Atrial septal defect (ASD)
 - d) Pharmacological management during hypertensive crises.
 - e) Pathophysiology and clinical manifestation of rheumatic heart disease.



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SECTION - II (37 Marks)

4. Long answer question: [3+4+5=12]
- a) List down pathogens that can cause hospital associated Pneumonia and enlist it's risk factors. [3]
 - b) What do you mean by ventilator associated pneumonia? Prepare protocol to prevent such infection in cardiac ICU. [4]
 - c) Differentiate angina pectoris and myocardial infarction. [5]
5. Long answer question: [4+6=10]
- a) Discuss emergency management during acute coronary syndrome. [4]
 - b) Prepare rehabilitation plan for patient with acute coronary syndrome. [6]
6. Short answer question (**any three** out of five): [3 × 5 = 15]
- a) Post operative nursing intervention after pneumonectomy.
 - b) Multidrug resistant tuberculosis.
 - c) Legal and ethical issues related to heart transplantation and donation.
 - d) Throboanginitis obliterance.
 - e) Embryological development of heart.





Final M.Sc. Nursing Examination, Summer (Phase - II) 2019
MEDICAL SURGICAL NURSING : CARDIO VASCULAR &
THORACIC NURSING - II

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 - 7) Use a common answer book for all sections.

SECTION - I (38 Marks)

1. Long answer question : [3 + 4 + 5 = 12]
 - a) Describe patho physiology of congestive cardiac failure [3]
 - b) Enumerate the clinical features of CCF [4]
 - c) Discuss the nursing management of patient with CCF [5]

2. Long answer question : [2 + 4 + 5 = 11]
 - a) Enumerate the modes of mechanical ventilation [2]
 - b) Discuss the care of patient on mechanical ventilation with tracheostomy [4]
 - c) Explain the role of nurse in prevention of ventilation associated pneumonia [5]



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[3 × 5 = 15]

3. Short answer question (any three out of five):
- a) Anti hypertensive drugs
 - b) Ethical & legal issues in cardiovascular & thoracic nursing
 - c) Stress test
 - d) Tetralogy of fallot
 - e) Burn out syndrome in ICCU

SECTION - II (37 Marks)

4. Long answer question : [3 + 4 + 5 = 12]
- a) Define dysarrhythmia [3]
 - b) Discuss Ventricular tachycardia with ECG changes [4]
 - c) Discuss the management of patient with third degree heart block [5]
5. Long answers question : [4 + 6 = 10]
- a) Define & classify arterial aneurysm. [4]
 - b) Discuss post operative nursing care in patient with open heart surgery [6]
6. Short answer question (any three out of five) : [3 × 5 = 15]
- a) Advance Life support
 - b) Bi PAP & C PAP
 - c) Drugs used in cardiac emergencies
 - d) Mobile coronary van
 - e) Chest Physiotherapy.

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Final M.Sc. Nursing Examination, Winter 2018
MEDICAL SURGICAL NURSING : CARDIO VASCULAR AND
THORACIC NURSING – II

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Total Marks :75

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 - 7) Use a common answerbook for **all** Sections.

SECTION – I (38 Marks)

1. Long answer question : (3+4+5=12)
 - a) List indications for lobectomy of lungs. 3
 - b) Explain pathophysiology of pulmonary tuberculosis. 4
 - c) Describe nursing care for a patient undergone lobectomy right lung. 5
2. Long answer question : (2+4+5=11)
 - a) State the causes of venous thrombosis. 2
 - b) Discuss prevention of venous thrombosis. 4
 - c) List various diagnostic studies in vascular disorders and explain any one in detail. 5
3. Short answer question (**any three** out of five) : (3×5=15)
 - a) Spiritual care of critically ill patients.
 - b) Drugs in hypertension.
 - c) Infection control in ICU.
 - d) Nurse's role while assisting for a patient undergoing temporary cardiac pacing.
 - e) Diuretics- Classification and nurse's role.

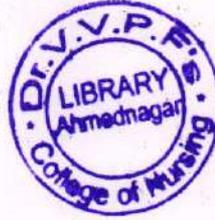
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SECTION – II (37 Marks)

4. Long answer question : (3+4+5=12)
- a) Classify Heart failure. 3
 - b) Explain clinical manifestations in CCF. 4
 - c) Discuss nursing management in CCF. 5
5. Long answer question : (4+6=10)
- a) State causes of mediastinal shift. 4
 - b) Describe nursing care of a patient with pneumothorax. 6
6. Short answer question (any three out of five) : (3×5=15)
- a) Aortic aneurysm.
 - b) CVP monitoring methods and significans.
 - c) Cyanotic heart diseases.
 - d) Principles of mechanical ventilation.
 - e) Quality assurance in CCU.
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Final M.Sc. Nursing Examination, Summer 2018
MEDICAL SURGICAL NURSING : CARDIO VASCULAR AND
THORACIC NURSING – II

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SECTION – I (38 Marks)

1. Long answer: (3+4+5=12)
 - a) Define Bronchial Asthma and Bronchitis. 3
 - b) Write briefly the etiology and clinical manifestations of Bronchial Asthma. 4
 - c) Enumerate pharmacological and non pharmacological management of Bronchial Asthma. 5
2. Long answer: (2+4+5=11)
 - a) Define Patent Ductus Arterioses. 2
 - b) List down the cause and clinical manifestations of patent ductus arterioses 4
 - c) Surgical and nursing management of patent ductus arterioses. 5
3. Short answer question (**any three** out of five) : (3×5=15)
 - a) Health problems related to cardio vascular and thoracic nursing.
 - b) Alternate system of medicine in cardio - vascular and thoracic nursing.
 - c) Hemodynamics and electro physiology of heart.
 - d) Coronary Circulation.
 - e) ECG interpretation in acute myocardial infarction.

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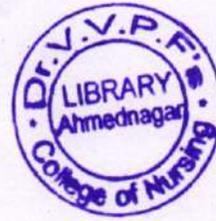
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SECTION – II (37 Marks)

4. Long answer question: (3+4+5=12)
- a) Write briefly cyanotic and acyanotic heart disease. 3
 - b) Differentiate the clinical manifestations of cyanotic and acyanotic heart disease. 4
 - c) Surgical and nursing management of cyanotic heart disease. 5
5. Long answer question: (4+6=10)
- a) Define and classify Heart block. 4
 - b) Enumerate pre and post procedure nursing management of patient with permanent pacemaker implantation. 6
6. Short answer question (any three out of five) : (3×5=15)
- a) Pulmonary Hypertension.
 - b) Rheumatic heart disease.
 - c) Hypoplastic left heart syndrome.
 - d) Transposition of great vessels.
 - e) Truncus Arteriosus.





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Final M.Sc. Nursing Examination, Summer 2017
MEDICAL SURGICAL NURSING : CARDIO VASCULAR AND THORACIC
NURSING – II

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Total Marks : 75

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SECTION – "I" (38 Marks)

1. Long answer question : **3+4+5=12**
 - a) Define carcinoma lung. Enumerate the major types of lung cancer. **3**
 - b) Briefly explain the surgical procedures for lung cancer. **4**
 - c) Discuss the post operative management of patient after lobectomy. **5**
2. Long answer question : **2+4+5=11**
 - a) Define Myocardial Infarction. **2**
 - b) Describe the pathophysiology of MI. **4**
 - c) Discuss the recent advances in the management of MI. **5**
3. Short answer question (**any three** out of five) : **(3×5=15)**
 - a) CVP monitoring.
 - b) Cardiac Rehabilitation.
 - c) Care of patient on ventilator.
 - d) Tetralogy of fallot.
 - e) Nurse's Role in cardiac catheterization lab.

P.T.O.

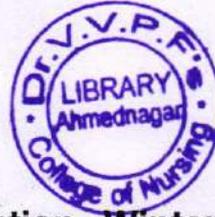


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SECTION – "II" (37 Marks)

4. Long answer question : 3+4+5=12
- a) What is coronary artery bypass graft ? 3
 - b) Briefly explain the workup for CABG. 4
 - c) Discuss the post operative management of patient after CABG. 5
5. Long answer question : 4+6=10
- a) Design a layout of ICCU. 4
 - b) Develop a nursing standards for ICCU. 6
6. Short answer question (**any three** out of five) : (3×5=15)
- a) ABG analysis.
 - b) Drugs used in pulmonary tuberculosis.
 - c) Infective endocarditis.
 - d) Cardiac Markers.
 - e) Pulmonary function test.
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Final M.Sc. Nursing Examination, Winter 2016
MEDICAL SURGICAL NURSING : CARDIO VASCULAR AND THORACIC
NURSING – II

Total Duration : 3 Hours

Total Marks : 75

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SECTION – I (38 Marks)

1. Long answer question : (3+4+5=12)
 - a) Write the indication for cardiac catheterization. 3
 - b) Describe types of heart block. 4
 - c) Explain management of Atrial Septal Defect. 5
2. Long answer question : (2+4+5=11)
 - a) What is Raynaud's phenomenon ? 2
 - b) Write indication and principles of mechanical ventilation. 4
 - c) List the nursing problems and interventions of a patient admitted with chronic obstructive pulmonary disease. 5
3. Short answer question (**any three** out of five) : (3×5=15)
 - a) ECG changes in electrolyte imbalance.
 - b) Explain Arterial Blood Gas analysis in brief and interpret the following :
pH – 7.24 Pa CO₂ – 56 mmHg, Pa O₂ – 82 mmHg, H CO₃ – 22 me/L, B E – 2.
 - c) Indication for using pulse oximetry.
 - d) What is cardiac rehabilitation ?
 - e) Cardiac catheterization and nurses role in pre and post procedure.

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SECTION – II (37 Marks)

4. Long answer question : (3+4+5=12)
- a) Define pneumonia and its causes. 3
 - b) Explain the pathophysiology of pneumonia. 4
 - c) Stress management in cardiac emergency. 5
5. Long answer question : (4+6=10)
- a) Describe the complications of tracheostomy. 4
 - b) Explain the role of alternative therapy in cardiac diseases. 6
6. Short answer question (**any three** out of five) : (3×5=15)
- a) Health education for patients on Anticoagulant Therapy.
 - b) Enumerate the pre and post-operative nursing care of patient undergoing Mitral Valve Replacement.
 - c) Enumerate the nursing management of a critically ill patient.
 - d) Define classify arrhythmia and nurses role in Cardioversion of Atrial Fibrillation.
 - e) Ventilator associated pneumonia and nursing management.
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**Final Year M.Sc. Nursing (Medical Surgical Nursing) Examination,
Summer 2016**

CARDIO VASCULAR AND THORACIC NURSING – II

Total Duration : 3 Hours

Total Marks : 75

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 - 5) Draw diagrams **wherever** necessary.

SECTION – I (38 Marks)

1. Long Answer Question. (3+4+5=12)
 - a) What are the causes of Pulmonary Oedema ? 3
 - b) What is the immediate management in Acute Pulmonary Oedema ? 4
 - c) Write the nursing care plan of a patient in Acute Pulmonary Oedema. 5
2. Long Answer Question. (2+4+5=11)
 - a) What are the signs and symptoms of Cardiac Arrest ? 2
 - b) Explain in sequence a therapeutic measure used in reviving the patient back to life. 4
 - c) What complications may be expected after Cardiopulmonary resuscitation ? How do you prevent them ? 5
3. Write Short Answers on (**any three** out of five) : (3x5=15)
 - a) Cardiac tamponade.
 - b) Complications of Rheumatic Fever.
 - c) Diet in Hypertension.
 - d) Transesophageal echocardiography.
 - e) Transposition of the great vessels and its management.

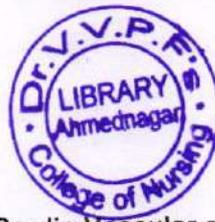
P.T.O.

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SECTION – II (37 Marks)

4. Long Answer Question. (3+4+5=12)
- a) Write the pathophysiology of Chronic Obstructive Pulmonary Disease. 3
 - b) Care of patient with tracheostomy. 4
 - c) Write down the line of management of Pulmonary Tuberculosis. 5
5. Long Answer Question. (4+6=10)
- a) List the classification and causes of Cardiomyopathy. 4
 - b) Write in detail the nursing care of a patient admitted with Congestive Cardiac failure. 6
6. Write Short Answers on (**any three** out of five) : (3x5=15)
- a) Nursing responsibilities in hemodynamic monitoring.
 - b) Define and list down the indication for electro physiological study.
 - c) Infection Control in Coronary Care Unit.
 - d) Discharge instructions after Permanent Pacemaker implantation.
 - e) Cardiac catheterization and nurse's role.
-



54012A

Final M.Sc. Nursing (Medical Surgical Nursing: Cardio Vascular and Thoracic Nursing), Winter 2015

Medical Surgical Nursing: Cardio Vascular and Thoracic Nursing - II

Total Duration : 3 Hours

Total Marks : 75

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 answer book for **all** section.

Section "I" (38 Marks)

1. Long Answer

Mrs Pramila Tambe 45 year old lady is admitted to the coronary unit with mitral regurgitation and is posted for valve replacement.

3+4+5=12

- a) Enumerate the clinical manifestations of mitral regurgitation. 3
- b) State the advantages and disadvantages of mechanical and biological valves. 4
- c) Discuss the health education for patients on anticoagulant therapy. 5

Long Answer

A 45 year old male is admitted with severe chest pain, ECG reveals inferior wall infarct. An urgent bed side 2D echo shows ejection fraction 25%, following which a plan for prophylactic IABP insertion has been made.

2+4+5=11

- a) Enlist the principles of IABP. 2
- b) Enumerate the indications and contraindications for IABP. 4
- c) Discuss in brief nursing care of patient with IABP. 5

3. Short Answer Question (any three out of five) :

(3x5=15)

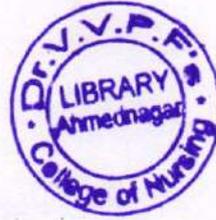
- a) Digoxin.
- b) Differentiate between cardioversion and defibrillation.
- c) Mantoux test.
- d) Types of pneumothorax.
- e) Cor pulmonale.

P.T.O.



Section "II" (37 Marks)

4. Long Answer : 3+4+5=12
- a) State the risk factors for deep vein thrombosis. 3
 - b) Differentiate between arterial and venous ulcers. 4
 - c) Prepare a nursing care plan for patient with deep vein thrombosis. Elaborate two priority diagnosis. 5
5. Long Answer : 4+6=10
- a) Explain in brief the different modes of ventilator. 4
 - b) Discuss the nursing care of patient on mechanical ventilator. 6
6. Short Answer Question (**any three** out of five) : (3x5=15)
- a) Cardiac conduction system.
 - b) Pulmonary function test.
 - c) Classification of cardiomyopathy.
 - d) Stress test.
 - e) Nursing care of client undergoing hemodynamic monitoring.



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Final M.Sc. Nursing (Medical Surgical Nursing : Cardio Vascular and thoracic nursing) Examination, Summer 2015
MEDICAL SURGICAL NURSING : CARDIO VASCULAR AND THORACIC
NURSING – II

Total Duration : 3 Hours

Total Marks : 75

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 common answer book for all Sections.**

SECTION – A

(38 Marks)

1. Long answer. (3+4+5=12)
 - a) Write briefly the trends and recent development in the field of CVT nursing. 3
 - b) Concepts and principles of CVT nursing. 4
 - c) Ethical and legal implications in CVT nursing. 5
2. Long answer. (2+4+5=11)
 - a) Define Electrocardiography. 2
 - b) Explain the basic of electrocardiography. 4
 - c) Discuss ventricular tachycardia with ECG changes. 5
3. Short answer question (**any three** out of five) : (3x5=15)
 - a) Define Stress test. Write briefly the objectives and indications.
 - b) Thromboangitis obliterans.
 - c) Ebstein's anomaly.
 - d) Ventilator-induced lung injury.
 - e) Nursing intervention for anginal pain.

P.T.O.

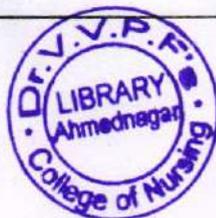
54012 A



SECTION – B

(37 Marks)

4. Long answer. (3+4+5=12)
- a) Enlist the etiology and risk factors for Cardiomyopathy. 3
 - b) Classify cardiomyopathy. 4
 - c) Discuss the nursing management in restrictive hypertrophic cardiomyopathy. 5
5. Long answer. (4+6=10)
- a) Explain the etiology and pathophysiology of Pulmonary embolism. 4
 - b) Discuss ICU Psychosis and nursing management . 6
6. Short answer question (any three out of five) : (3x5=15)
- a) ACE inhibitors and nursing responsibilities.
 - b) Emergency management of cardiogenic shock.
 - c) Adventitious breath sound.
 - d) Post operative nursing intervention after CABG.
 - e) Nursing audit in ICCU.
-



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Final M.Sc. Nursing (Medical Surgical Nursing: Cardio Vascular and Thorasic Nursing), Winter 2014
Medical Surgical Nursing: Cardio Vascular and Thorasic Nursing - II

Total Duration : 3 Hours

Total Marks : 75

Instructions:

- 1) Use blue/black ball point pen only.
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- 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 answer book for all section.

Section "I" (38 Marks)

1. Long answer (3+4+5=12)
 - a) What is mechanical ventilation? Explain the types of mechanical ventilators. 3
 - b) Describe different modes of ventilator. 4
 - c) Explain the role of nurse in prevention of ventilator associated pneumonia. 5
2. Long answer (2+4+5=11)
 - a) Define aneurysm. 2
 - b) Classify arterial aneurysm. 4
 - c) Discuss post operative nursing intervention for patient following repair of abdominal aortic aneurysm. 5
3. Short answer question (any three out of five) : (3x5=15)
 - a) Health education for patient with permanent pacemaker.
 - b) Policies and procedure in coronary care unit.
 - c) Post operative nursing care of patient following coronary artery bypass graft.
 - d) Metabolic acidosis.
 - e) Pulse oximetry.

P.T.O.



Section "II" (37 Marks)

Long answer

4. 48 years male admitted in coronary care unit with heart failure. based on this answer the following. (3+4+5=12)
- a) Discuss neurohormonal compensatory mechanism in heart failure. 3
 - b) Explain the drug therapy used in congestive cardiac failure. 4
 - c) Prepare the education plan for this patient. 5
5. Long answer (4+6=10)
- a) Discuss evolving trends in cardiac surgery. 4
 - b) Explain the immediate nursing management of patient after valvular surgery. 6
6. Short answer question (any three out of five) : (3x5=15)
- a) Methods of oxygen administration.
 - b) ECG changes in atrial flutter.
 - c) Pathophysiology of COPD.
 - d) Transposition of great arteries.
 - e) Cor pulmonale.



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Final M.Sc. Nursing (Medical Surgical Nursing: Cardio Vascular and Thorasic Nursing),
Summer-2014 Examination

MEDICAL SURGICAL NURSING: CARDIO VASCULAR AND THORASIC NURSING - II

Total Duration : 3 Hours

Total Marks : 75

- 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 - I

38 Marks

1. Answer the following (3+4+5=12)
 - a) Explain the precipitating causes of status asthmaticus 3
 - b) Briefly describe drug therapy used in status asthmaticus 4
 - c) Discuss nursing intervention for any three priority nursing diagnosis. 5
2. Answer the following (2+4+5=11)
 - a) Explain the arrhythmias originating in the ventricle. 2
 - b) Discuss ventricular tachycardia with ECG changes. 4
 - c) Discuss the management of pulseless ventricular tachycardia. 5
3. Brief answer question (any three out of five) : (3x5=15)
 - a) Transesophageal ECHO.
 - b) Pathophysiology of Ventricular septal defect.
 - c) Indications for Temporary and Permanent Cardiac Pacing.
 - d) Comparison of acute and chronic heart failure.
 - e) IABP monitoring.

(P.T.O.)



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SECTION - II

37 Marks

4. Answer the following (3+4+5=12)
- a) Define acute coronary syndrome (ACS) and enlist its risk factors. 3
 - b) Plan immediate management for patient with acute coronary syndrome. 4
 - c) Discuss about coronary revascularization strategies used in coronary artery disease. 5
5. Answer the following (4+6=10)
- a) Discuss about evolving trends in cardiac surgery. 4
 - b) Discuss the first 24 hrs management of a patient who has undergone Minimally invasive Coronary Artery bypass Surgery. 6
6. Brief answer question (any three out of five) : (3x5=15)
- a) Ventilator associated pneumonia and its prevention.
 - b) Anti platelet agents.
 - c) Adventitious breath sound.
 - d) Psychological problems in ICCU.
 - e) Outpatient cardiac rehabilitation.
-



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Final M.Sc. Nursing (Medical Surgical Nursing : Cardio Vascular
and Thoracic Nursing) Examination, Summer 2012
**MEDICAL SURGICAL NURSING : CARDIO VASCULAR AND
THORACIC NURSING – II**

Duration : 3 Hours

Total Marks : 75

- 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.

SECTION – I

- (3+4+5=12)
1. a) What are the classification of Arrhythmias ? 3
b) Explain the Pathophysiology of Myocardial Infarction. 4
c) Describe nursing management of Endocarditis. 5
- (2+4+5=11)
2. a) Define acute respiratory distress syndrome. 2
b) Describe the types of mechanical ventilation and ventilators. 4
c) Explain nursing care of a patient with tracheostomy. 5
3. Write short answers (**any three** out of five) : (3x5=15)
- a) Mobile coronary care unit
b) Chest physiotherapy
c) Anti-hypertensive drugs complications
d) Post resuscitation care
e) Use of artificial airway.

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SECTION - II

(3+4+5=12)

4. a) Write Drugs used in the management of pulmonary hypertension. 3
 - b) Describe preoperative assessment and preparation of patient under going cardiac thoracic surgery. 4
 - c) List the nursing problems and interventions of a patient admitted with Angina Pectoris. 5
- (4+6=10)
5. a) Describe the management of Rheumatic heart disease. 4
 - b) Explain the steps of cardiac rehabilitation. 6
6. Write short answers (any three out of five) : (3x5=15)
- a) Types of Angina
 - b) Risk factors of coronary artery disease
 - c) Cardiac enzymes
 - d) Ethical and legal implication in cardiac vascular and thoracic nursing
 - e) Embryology of heart.
-



Final M.Sc. Nursing Examination, November/December 2010
MEDICAL SURGICAL NURSING : CARDIO VASCULAR AND
THORACIC NURSING - II

Duration: 3 Hours

Total Marks: 75

- 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.

SECTION - I

(Marks 38)

1. Write Long Answer.
 - a) What is an artificial pacemaker? 3
 - b) List the indications for permanent pacemaker implantation. 4
 - c) Discuss the important aspects of patient education after permanent pacemaker implantation. 5

12
2. Write Long Answer :
 - a) State the defects present in tetralogy of fallot (TOF). 2
 - b) Write the surgical management of tetralogy of fallot. 4
 - c) Explain Eisenmenger's complex. 5

11
3. Write short answers on (any three) : (3×5=15)
 - a) ECG changes in myocardial infarction
 - b) Embryological development and septation of the ventricle.
 - c) Types of total anomalous pulmonary venous connections.
 - d) Arterial blood gas analysis in a patient with chronic obstructive pulmonary disease.
 - e) Nurses role in monitoring a patient with an intra arterial pressure monitoring line.

P.T.O.

54012 A



SECTION - II

(Marks 37)

4. Write Long Answer :

- a) Drugs used in the management of pulmonary embolism. 3
 - b) Prevention of deep vein thrombosis. 4
 - c) List the nursing problems and interventions of a patient admitted with acute myocardial infarction. 5
- 12

5. Write Long Answer :

- a) Discuss the medical management of congestive cardiac failure. 4
 - b) Write down the first and second line of management of pulmonary tuberculosis. 6
- 10

6. Write short answers on (any three) : (3×5=15)

- a) Positive end expiratory pressure therapy.
- b) Types and uses of calcium channel blockers.
- c) Digitalis toxicity.
- d) Quality assurance in intensive cardiac care unit
- e) Immediate post operative complications after open heart surgery.



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Final M.Sc. Nursing (Medical Surgical Nursing : Cardio Vascular and Thoracic Nursing) Examination, May/June 2011

MEDICAL SURGICAL NURSING : CARDIOVASCULAR AND THORACIC NURSING – II

Duration: 3 Hours

Total Marks: 75

- 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.**

SECTION – I

(Marks 38)

1. a) Prepare a pre-operative check list for cardiac surgery. **3**
- b) Prepare a health teaching programme for the patient awaiting discharge after Mitral valve replacement. **4**
- c) Write nursing care of a patient who has undergone mitral valve replacement for first 24 hrs. **5**
2. a) Describe Jones criteria for diagnosis of Rheumatic fever. **2**
- b) Write pathophysiology and risk factors of Rheumatic fever. **4**
- c) Discuss the nursing management of a patient admitted with Rheumatic fever. **5**
3. Write short answers on **(any three)** : **(3×5=15)**
 - a) ECG
 - b) Low sodium diet
 - c) PFT
 - d) Arterial occlusion
 - e) Algorithm for treatment of hypertension.

P.T.O.

54012 A



SECTION-II

(Marks 37)

4. a) Discuss the compensatory mechanisms involved in heart failure. 3
- b) List down the clinical manifestations and complications of heart failure. 4
- c) Discuss the nursing care of a patient admitted with chronic heart failure. 5
5. a) Describe the etiology and pathophysiology of coronary artery disease. 4
- b) Write in detail the nursing care of a CAD patient who is undergoing fibrinolytic therapy. 6
6. Write short answers on (any three) : (3×5=15)
 - a) Haemodynamic monitoring
 - b) Tetralogy of fallots
 - c) Infection control in ICU
 - d) Pacemakers
 - e) CPR.