

The Open University of Sri Lanka
Department of Nursing - BSc (Hons) in Nursing Degree Program
Academic Year 2018/2019-Semester 2
NGU5207 -Critical Care Nursing (Level 5)
Continuous Assessment Test 01

Date: 04th July 2019

Time: 11.30 a.m. – 12.30 p.m.

Registration Number

Duration: 01 hour

Please read the following instructions carefully before you answer the question paper.

Answer all questions

Part A - Multiple Choice Questions

(10 marks)

There are 10 Multiple Choice Questions in this paper and each question or statement below contains four responses. Select the best response to each question or statement and indicate the answer in your MCQ answer sheet.

- On the answer sheet there are four cages, opposite each question number labeled “a” to “d”.
- Indicate the answer by making a cross (X) over the appropriate letter in the box.

An example of a correctly answered question is given below.

E.g.: The purpose of the multidisciplinary team in critical care setting is to:

- minimize mistakes and errors made on the unit.
- provide holistic care for the patient.
- increase efficiency of the unit.
- assist the nurse in caring for the critically ill patient.

Answer:

a	b	c	d
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Part B -10 Matching Questions

(10 marks)

Part C -05 Short Answer Questions. Write answers to all within the given space **(50 marks)**

Part D -01 Structured Essay Question. Write answers within the given space **(30 marks)**

Marking Purposes only	
Part A	
Part B	
Part C	
Part D	
Total	

Good Luck!

Part A – 10 Multiple Choice Questions. (10 marks)

1. The design of Intensive Care Units (ICUs) requires knowledge of regulatory agency standards. When designing an ICU it:
 - a) should allow at least 225 square feet of clear floor area per bed in ward-type ICUs
 - b) should allow patient transportation routes to public/visitors
 - c) should not have separate supply and professional traffic from public/visitor traffic
 - d) should allow at least 150 square feet per room (assuming one patient per room) in ICUs with individual patient modules

2. Nurses appreciate & value a physician for:
 - a) not giving the information to the family about patient's condition.
 - b) staying near when a patient's condition deteriorates
 - c) ignoring nurses concern related to patient's condition.
 - d) not sharing about new therapy & interventions with nurses

3. There are **four (04)** criteria for all negligence cases in health care. Which of the following are included in that criteria?

E- Duty to another person

F-Breach of that duty

G-Harm that would not have occurred in the absence of breach

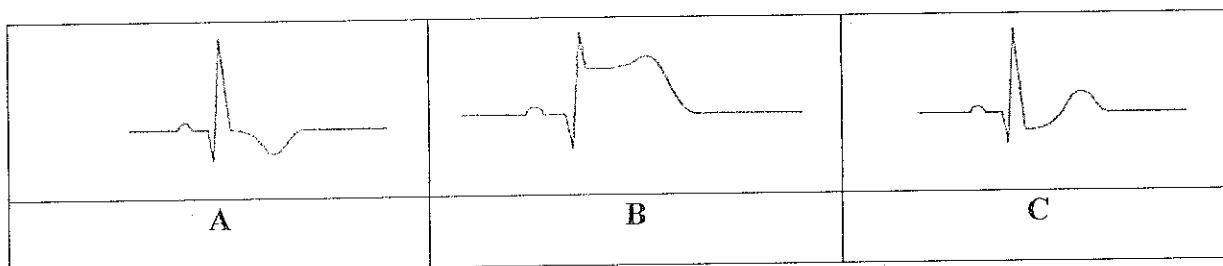
H-Damages that should not have a monetary value

 - a) E and H
 - b) F,G and H
 - c) E, F and G
 - d) All above

4. Which of the following is **incorrect** regarding DNR orders?
 - a) Should mention about the patient's prognosis
 - b) Should mention about the patient's agreement
 - c) No need to consider about the family consensus
 - d) Should require concurrence of another medical officer as standard policy

5. Which of the following is **correct** regarding Oropharyngeal airways?
 - a) Oropharyngeal airways should be used only in conscious patients
 - b) When the airway is properly placed, the tip of the airway lies below the epiglottis at the base of the tongue
 - c) Improperly sized oropharyngeal airways cause obstruction of airway
 - d) Unconscious patients are more prone to vomit as airway insertion induce gag reflex

6. Cardiac catheterization is a procedure for patients with known or suspected heart disease. During a cardiac catheterization procedure;
- nurses do not need to calm and reassure the patient as they remains sedate and unconscious
 - right heart catheterization is usually performed via the right femoral artery
 - left heart is catheterized by introducing the catheter into a peripheral vein
 - left heart catheterization is usually performed via the radial artery
7. 35 year old female patient was admitted with exacerbation of asthma. She complains chest tidiness and wheezing. Which of the following intervention is the priority?
- Administer bronchodilators
 - Administer systemic corticosteroids
 - Administer low flow oxygen therapy.
 - Start mechanical ventilation
8. What parameter would be decreased in a patient with a diagnosis of left ventricular failure?
- Cardiac output
 - Total vascular resistance
 - Afterload
 - Central venous pressure (CVP)
9. Identify the correct ECG patterns according to the order.



- A -T-Inversion, B- ST-Depression, C- ST-Elevation
 - A-ST-Depression, B -T-Inversion, C- ST-Elevation
 - A -ST- Depression, B- ST-Elevation, C-T-Inversion
 - A- T-Inversion, B- ST-Elevation, C- ST-Depression
10. Which of the following is **correct** regarding Valvular Heart Diseases?
- Mitral valve stenosis occurs due to progressive expansion of the mitral valve orifice
 - In mitral valve regurgitation, valve leaflets, chordae tendinae and papillary muscles become dysfunctional
 - In mixed valvular lesions only regurgitation occurs
 - Tricuspid valve regurgitation causes left ventricular hypertrophy and dilation

Part B – Matching Questions.**(10 marks)**

Match the phrases given on the **Left** with most relevant words or phrase given on the **Right**.

Put the letter belongs to the selected word in the brackets given on the middle.

	Left		Right
1.	Does not cover from the Advance Directives	()	A. Hoarseness
2.	A patient admitted after an accident	()	B. Allergen exposure
3.	Provide the best route of long term airway management	()	C. Medico-legal case
4.	A complications of extubation	()	D. 'Holter' electrocardiography
5.	An Aggravating factor for acute severe asthma	()	E. Magnetic Resonance
6.	Within 24 hour period, over 10000 complexes are recorded in	()	F. Nutritional support
7.	Does not involve harmful radiation.	()	G. Nitroglycerin
8.	In the daytime, noise levels in hospital acute care areas should not exceed	()	H. 45 dB
9.	Used if patient is experiencing chest pain.	()	I. An incident report to
10	Should make confidentially, if there is violation of normal rules.	()	J. Witnessing
			K. Tracheostomy tube
			L. 40 dB

Part C – Short Answer Questions. (50 Marks)

Answer all questions within the given space

Question 1 - (10 Marks)

1.1) State the definitions of following terms. **(04 Marks)**

I. Critical Care Nursing

.....
.....

II. Critically Ill Patient

.....
.....
.....

1.2) List **three (03)** purposes of informed consent. **(06 Marks)**

I.

II.

III.

Question 2 - (10 Marks)

2.1) What are **three (03)** models of advocacy, which can be applied in nursing practice? **(06 Marks)**

I.

II.

III.

2.2) State the definitions of following terms.

(04 Marks)

I. Assault

.....

.....

II. Battery

.....

.....

Question 3 - (10 Marks)

Critical care units classified into three levels depending on the staffing & support facilities of the hospital. Fill the below table based on that knowledge. Some have done for you.

	The nurse patient ratio	Availability Medical staff	Capability of providing prolonged mechanical ventilation (Can provide or cannot provide).
Level 1	(01 Mark)	(02 Mark)	(01 Mark)
Level 2	(01 Mark)	(04 Mark)	<i>Can provide</i>
Level 3	<i>1:1</i>	<i>Medical staff is available in the unit all the time</i>	(01 Mark)

Question 4 - (10 Marks)

4.1) State the definitions of following terms. **(06 Marks)**

I. Heart failure

.....
.....

II. Acute lung failure

.....
.....

III. Hypertensive emergency

.....
.....

4.2) There are three types of medications that can use to lower the blood pressure in hypertensive emergency. List **two (02)** of them. **(04 Marks)**

I.

II.

Question 5 - (10 Marks)

5.1) List **three (03)** responsibilities of clinical nurse specialists in a critical care unit. **(06 Marks)**

I.

II.

III.

5.2) List **two (02)** clinical features of oxygen toxicity. **(04 Marks)**

I.

II.

Part D– Structured Essay Question. (30 Marks)

Answer all questions within the given space

Mr.Kamal, 65 years old male patient, admitted to a medical ward with chest pain and dizziness. After the diagnosing of Acute Coronary Syndrome (ACS), Mr. Kamal has transferred to the ICU as his condition getting deteriorate.

1.1) What is Acute Coronary Syndrome (ACS)? (03 Marks)

.....
.....

1.2) What are the **two (02)** types of ACS? (04 Marks)

I.
II.

1.3) Three mechanisms can block the coronary artery and reduce the myocardial oxygen supply. List those **three (03)** mechanisms? (03 Marks)

I.
II.
III.

1.4) List **four (04)** complications of ACS. (08 Marks)

I.
II.
III.
IV.

1.5) Give **four (04)** nursing diagnoses for this patient. **(08 Marks)**

- I.
- II.
- III.
- IV.

1.6) Patient and family education is one of the major concerns in nursing management of this patient. List **two (02)** important facts that you should mentioned regarding dietary modification when you are giving education for this patient and his family.

(04 Marks)

- I.
- II.

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1.

a	b	c	d
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2.

a	b	c	d
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3.

a	b	c	d
---	---	---	---

4.

a	b	c	d
---	---	---	---

5.

a	b	c	d
---	---	---	---

6.

a	b	c	d
---	---	---	---

7.

a	b	c	d
---	---	---	---

8.

a	b	c	d
---	---	---	---

9.

a	b	c	d
---	---	---	---

10.

a	b	c	d
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