

**UNIVERSITY OF SWAZILND
FACULTY OF HEALTH SCIENCES**

SUPPLEMENTARY EXAMINATION PAPER, JULY 2007

TITLE OF PAPER: NURSING SCIENCE AND ARTS II

COURSE CODE: NUR 302

TIME ALLOWED: THREE (3) HOURS

MARKS: 100

INSTRUCTIONS:

- 1. THERE ARE FOUR (4) QUESTIONS IN THIS PAPER**
- 2. ANSWER ALL FOUR QUESTIONS**
- 3. EACH QUESTION IS ALLOCATED 25 MARKS EACH**
- 4. EACH CORRECT STATEMENT OR FACT WITH RATIONALE
CARRIES ONE (1) MARK**
- 5. WRITE LEGIBLE**

**THIS QUESTION PAPER SHOULD NOT BE OPENED UNTIL PERMISSION
HAS BEEN GRANTED BY THE INVIGILATOR**

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QUESTION 1

**READ EACH QUESTION CAREFULLY AND CHOOSE THE BEST RESPONSE.
IN YOUR ANSWER BOOK WRITE THE LETTER THAT CORRESPONDS TO
THE MOST CORRECT ANSWER e.g. 1 = C**

1. Patients suffering from Insulin-Dependent-Diabetes Mellitus are usually:

- A. 30 or younger
- B. controlling their blood glucose by oral hypoglycemics
- C. controlling their blood glucose by insulin only
- D. girls from a certain clan

2. One of the most commonly used injectable narcotics is:

- A. oxycodone
- B. codeine phosphate
- C. hydrochloride
- D. morphine sulphate

3. Physiological indicators of acute pain include all of the following, **except**:

- A. dilated pupil
- B. diaphoresis
- C. increased blood pressure
- D. tachycardia

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4. A patient is hemorrhaging from multiple trauma. The nurse would expect that compensatory mechanisms associated with hypotension would cause all of the following,

except:

- A. oliguria
- B. hypertension
- C. tachycardia
- D. tachypnea

5. Hyperventilation is a compensatory mechanism associated with respiratory alkalosis.

During hyperventilation the nurse would assist the patient by:

- A. positioning the patient such that optimal ventilation is possible
- B. minimizing pain experiences because of the associated increase in oxygen demands
- C. maintaining body temperature within normal limits
- D. performing all of the above

6. When a subcutaneous injection is injected, the needle should enter the skin at:

- A. 90 degrees
- B. 30 degrees
- C. 60 degrees
- D. 45 degrees

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7. Stimuli that result in painful sensations are classified as:
- A. physical
 - B. mental
 - C. emotional
 - D. all of the above
8. A Papanicolaou smear (Pap smear) test examines the cervix for:
- A. simple epithelial cells
 - B. connective tissue proper cells
 - C. exfoliative cells
 - D. columnar squamous epithelial cells
9. Viruses are microorganisms that:
- A. burst out of infected cells to enter other cells
 - B. mutate very fast
 - C. replicate within invaded cells
 - D. do all of the above

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10. Initial impression the nurse assessed included the patient's posture, gait, and body movements. This assessment is part of the physical examination process known as:

- A. inspection
- B. palpation
- C. percussion
- D. auscultation

11. On skin inspection the nurse noted the presence of cyanosis, a symptom indicative of cellular hypoxia. The nurse must observe for cyanosis on the:

- A. lips
- B. nail beds
- C. mucous membrane
- D. all of the above

12. A systolic pressure reading that is considered indicative of hypertension is:

- A. 160 mm Hg
- B. 150 mm Hg
- C. 140 mm Hg
- D. 130 mm Hg

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13. When one is assessing the breast for tumors, one looks for:
- A. dimpling
 - B. nipple discharge in pregnancy
 - C. breast abscesses
 - D. cracking nipples
14. The body temperature is controlled or regulated by the:
- A. medulla oblongata
 - B. hypothalamus
 - C. thermometer
 - D. physical activity
15. Diabetic clients may develop ulceration and infection in the feet, this is due to;
- A. poor skin hygiene
 - B. impaired circulation
 - C. injuries on the feet
 - D. ill-fitting shoes
16. If the olfactory nerve is damaged, the client may have problems with:
- A. sight
 - B. smell
 - C. hearing
 - D. taste

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17. Which statement is a true reflection of the thyroid gland?
- A. it disappears during adolescent
 - B. it is too small to be observed by inspection
 - C. hyperplasia causes goiter
 - D. none of the above statements is correct
18. An effective communication technique includes:
- A. use silence
 - B. offering advice
 - C. acting defensively
 - D. minimizing feelings
19. An infant trips a pot of boiling water into her leg. The mother should avoid
- A. touching the burned skin and take the child to the nearest emergency department
 - B. immerse the infant's legs in water
 - C. literally apply egg yolk to the burnt area
 - D. cover the infant's legs with ice cubes and secure with a towel
20. Most surgical patients are encouraged to get out of bed:
- A. within 6 to 8 hours post operatively
 - B. between 10 to 12 hours post operatively
 - C. between 24 and 48 hours post operatively
 - D. between the second and third day post operatively

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21. If a wound is described as incised, the nurse would expect to see:
- A. a wound characterized by soft tissue injury and swelling
 - B. a clear cut wound
 - C. jagged and irregular edged wound
 - D. small opening on the skin
22. In order to promote patient comfort and prevent tissue injury due to pressure, a patient should be turned every:
- A. one-hour
 - B. two-hours
 - C. three-hours
 - D. four-hours
23. One is at risk of developing liver cirrhosis, if that person:
- A. smokes
 - B. drinks alcohol
 - C. loves partying
 - D. drinks fizzy drinks

24. Hepatitis is most likely to be manifested by:

- A. epistaxis
- B. jaundice
- C. angina pectoris
- D. impetigo

25. When the nurse is measuring the patient's glucose using the **clinitest**, the nurse should after removing the strip from urine, wait for:

- A. 10 seconds before reading the strip
- B. 30 seconds before reading the strip
- C. 60 seconds before reading the strip
- D. 2 minutes before reading the strip

[25 MARKS]

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Question 2

Ms A is aged 49 and is admitted to the ward after sustaining burns of the entire back and lower extremities.

- A. Describe the classification of burns, according to depth (10)
- B. What is the significance of classifying burns (5)
- C. Discuss the nursing management of Ms A on the following nurses' diagnosis
 - (i) Fluid volume deficit related to impaired capillary membrane integrity (5)
 - (ii) Alteration in comfort related to destruction of tissue (5)

[25 MARKS]

Question 3

Mrs. Y who is 32 years old began to note a growth on her left breast about two months ago. The growth was gradually increasing in size and pain. On comprehensive examination, she was diagnosed with malignant breast mass, and was scheduled for a radical mastectomy.

- A. Differentiate 2nd from 3rd stage of breast cancer (5)
- B. What is the importance of monthly breast self-examination (5)
- C. Describe three (3) risk factors for breast cancer (6)
- D. Discuss the post-operative nursing management of Mrs. Y who has had a radical mastectomy (consider any three nursing diagnoses) (9)

[25 MARKS]

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Question 4

A 38-year-old male comes to the outpatient's Department with history of drinking alcohol for the past 15 years. He is eventually diagnosed as suffering from liver cirrhosis and is admitted to the medical ward.

- A. Describe the pathophysiology of liver cirrhosis (8)
- B. Describe the nursing care for a cirrhotic patient on the following nursing diagnosis, also state the expected outcome (s) for each.
- (i) Ineffective breathing pattern (5)
 - (ii) Risk for impaired skin integrity (6)
 - (iii) Altered thought processes (6)

[25 MARKS]

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