
CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF SCIENCE IN
NURSING**

NURS 447: GERIATRICS AND FORENSIC NURSING

STREAMS: B.SC NURS

TIME: 2 HOURS

DAY/DATE: FRIDAY 06/12/2019

11.30 A.M. – 1.30 P.M.

INSTRUCTIONS:

- All questions are compulsory.
- Part I choose the most appropriate answer.

PART I: MULTIPLE CHOICE QUESTIONS (20 MARKS)

- 1) Age related changes in cardiovascular system includes one of the following
 - a) Myocyte death with replacement
 - b) Increased response to beta-receptor stimulation
 - c) Increased elasticity of veins
 - d) Hypertrophy with early diastolic filling
- 2) The statement that best describes the stochastic theories of aging is
 - a) Fibroblasts have limited ability to replicate
 - b) Chain of DNA is lost and result into aging
 - c) DNA undergoes change that cause aging
 - d) Allelic genes are destroyed causing aging
- 3) The leading cause of external injuries among the elderly is
 - a) Trauma
 - b) Falls

- c) Disorientation
 - d) Memory loss
- 4) Neurologic changes among the elderly increases their risk for falls and includes all except
- a) Loss of consciousness
 - b) Slowed reaction times
 - c) Diminished sensory awareness for light touch,
 - d) Decline in proprioception
- 5) Which of the following defines mechanism of death
- a) If the death stem from congenital anomalies of disease that interferes or disables vital organ functions
 - b) The injury, disease or the combination of the two responsible for initiating the train of physiological disturbances, brief or prolonged that produces the fatal termination
 - c) The circumstances in which the cause of death occurred.
 - d) The physiological derangement or biochemical disturbance incompatible with life, which is initiated by the cause of death.
- 6) Which of the following best describes a correctional nurse?
- a) Correctional nurses cares for the patient's future medical or mental health needs.
 - b) Correctional nurses care for inmates with full knowledge of the nature of their crimes
 - c) Correctional nurses do not need to perform a body cavity search
 - d) Correctional nurses assess the risk for custodial suicide.
- 7) The cherry-red color of the postmortem lividity pattern in the body is consistent with a death due to:
- a) Heat stroke
 - b) Ingestion of a strong acid
 - c) Carbon monoxide intoxication
 - d) Anaphylaxis.
- 8) Which biological samples are suitable for DNA investigation
- a) Blood and lymph only
 - b) Buccal and vaginal epithelium only
 - c) Spermatazoa both alive and dead
 - d) Any nucleated cellular material
- 9) What is manslaughter

- a) Suspected suicide
 - b) Homicide,when killer intends to kill
 - c) Justifiable homicide
 - d) Homicide,when killer has no intent to kill
- 10) Hair and nail clippings are available to prove
- a) Arsenic or thalium poisoning
 - b) Hard alcohol abuse
 - c) Acute intoxication of pesticides
 - d) Acute intoxication of carbon monoxide
- 11) The primary duty of a forensic expert in a court of law is
- a) Explain scientific procedures
 - b) Explain scientific evidence
 - c) Give testimony
 - d) To tell the truth
- 12)The first responder in a crime scene does which of the following
- a) Safety first
 - b) Secure the crime scene
 - c) Take notes
 - d) Collect evidence
- 13) What is scientific data called when used in a courtroom setting to establish the connection of a person to a crime?
- a) Evidence
 - b) Testimony
 - c) Hearsy
 - d) Exhibit
- 14) When interviewing a rape victim, which of the following is one of the most essential piece of information to attain
- a) Where the victim was when they were raped
 - b) The victims recent sexual history (72 hours)
 - c) If the victim changed their clothes or showered
 - d) Description of the attacker
- 15) On assessment of an older client who has difficulty falling asleep, the nurse identifies a need for further teaching when the client says
- a) "I swim three times a week"

- b) "I have stopped smoking cigars"
- c) "I drink hot chocolate before bedtime"
- d) "I read 40 minutes before bedtime"

16) The nurse is performing an assessment on an elderly client. Which assessment data would indicate a potential complication associated with the skin?

- a) Crusting
- b) Wrinkling
- c) Deepening of expression lines
- d) Thinning and loss of elasticity of the skin

17) Which group has the highest rate of depression?

- a) Men 65 yrs and above
- b) Women 65 yrs and above
- c) Men 65 yrs and older who are widowers
- d) Women 65 yrs and older women who are widows

18) Which procedure would best minimize negative effects associated with relocating an older person from one nursing home to another?

- a) Involve the person in planning the move
- b) Accomplish the relocation as soon as possible
- c) Ensure that the new nursing home differs substantially from the old one
- d) Anticipate the person's needs and make decisions accordingly

19) A situation where an elderly person is experiencing both poverty and multiple chronic health problems is called?

- a) Co-dependency
- b) Co-mortality
- c) Respite care
- d) Co-morbidity

20) The concept of an extended family emphasize the view that old people

- a) Develop family like ties with friends and neighbors'
- b) Live near and interact with family members
- c) Seldom see or receive assistance from their children
- d) Wish to live with their children during widowhood

PART II: SHORT ANSWER QUESTIONS (30 MARKS)

1. State five psychological benefits of exercise to an elderly person. (5 marks)

2. State five principles of gerontological nursing. (5 marks)
3. Outline five roles of a forensic nurse. (5 marks)
4. Explain the possible roles of photography in the investigation of death. (3 marks)
5. Explain the following post mortem changes which occur within the first day after death
 - a) Algor mortis (2 marks)
 - b) Rigor mortis (2 marks)
6. List six warning signs of suicide in a client. (3 marks)
7. State 5 measures of preventing crime. (5 marks)

PART III: LONG ANSWER QUESTIONS (20 MARKS)

Max, a 36 year old man is found dead in a forest after a weekend outing with his friends. The scene of crime is highly suggestive of homicide.

- a) State the various types of homicide. (2 marks)
 - b) Describe the protocol to be followed in the scene of crime. (12 marks)
 - c) Eventually an autopsy is conducted on Max's body to help in determining the cause of death. Outline the components of an autopsy report. (6 marks)
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