



(University of Choice)

**MASINDE MULIRO UNIVERSITY OF
SCIENCE AND TECHNOLOGY
(MMUST)**

SCHOOL OF NURSING MIDWIFERY AND PARAMEDICAL SCIENCES

MAIN CAMPUS

**UNIVERSITY EXAMINATIONS
2022/2023 ACADEMIC YEAR
FIRST YEAR SECOND TRIMESTER EXAM**

**FOR THE DEGREE OF BACHELOR OF SCIENCE IN PARAMEDIC
science**

COURSE CODE: NPP 121

COURSE TITLE: EMS COMMUNICATION AND DOCUMENTATION

DATE: 13/4/2023

time: 8am – 11am

INSTRUCTIONS TO CANDIDATES

All questions in the three sections (A, B and C) are compulsory

DURATION: 3 Hours

MMUST observes ZERO tolerance to examination cheating

SECTION A: MULTIPLE CHOICE QUESTIONS (MCQs); 10 MARKS

Choose the most appropriate answer

1. An electromagnetic radiation onto which a signal is encoded is called?
 - A. Signal wave
 - B. Transmitter wave
 - C. Carrier wave
 - D. Frequency wave

2. EMS and public safety communications systems operate in VHF band in the range of:
 - A. 3 MHz to 30 MHz
 - B. 30 MHz to 300 MHz
 - C. 300 MHz to 3.0 GHz
 - D. 3 MHz to 30 GHz

3. Background noise present on all radio frequencies is prevented by use of:
 - A. Sensor
 - B. Squelch
 - C. Antennae
 - D. Modulator

4. A base station:
 - A. Has transmitter output power of up to 175 watts
 - B. Has multiple locations
 - C. Operates on multiple frequencies
 - D. Has shorter range than mobile radios

5. The ideal close range out of vehicle use communication system is:
 - A. Portable transceiver
 - B. Mobile transceiver
 - C. Repeater
 - D. Mobile Data Terminal

6. Digital trunked system:
 - A. Transceiver is set to a specific frequency
 - B. Utilize multiple repeaters and computers to route radio traffic within the system
 - C. Can carry voice only
 - D. Operates in the 800 and 900 MHz VHF bands.

7. The MOST appropriate action to take after realizing an error in a submitted report is?
 - A. Disregard the submitted report.
 - B. Correct the error without notifying anyone of the change.

- C. Notify the appropriate supervisor of the error and complete a supplemental report.
D. Notify the appropriate supervisor of the mistake and ask to make a change to the report.
8. In a typical EMS environment, the communication loop is initiated by:
- A. Bystander
 - B. Emergency medical responder
 - C. Emergency medical dispatcher
 - D. Emergency medical technician
9. The first phase in the EMS communication system is:
- A. Transport and delivery
 - B. Preparation for the next event
 - C. Treatment and preparation for transport
 - D. Notification and response
10. Digital transmission of patient's ECG tracings to medical director is termed ?
- A. Electro telemetry
 - B. Cardio telemetry
 - C. Digital telemetry
 - D. Biotelemetry
11. Multiple radio systems:
- A. Utilize a pair of frequencies
 - B. Use biotelemetry
 - C. Continuous communication in both directions
 - D. Signals transmitted on one frequency
12. The immediate step in radio communication after power on is:
- A. Push the "press to talk" button
 - B. Set frequency
 - C. Adjust antennae
 - D. Position microphone two to three inches from lips
13. The wait to speak time on radio after pressing transmit button is:
- A. 1 second
 - B. 2 seconds

- C. 3 seconds
- D. 4 seconds

14. Request for additional resources is done during:

- A. Dispatch communications
- B. En route communications
- C. On scene communications
- D. Leave scene communications

15. Which form of consent allows you to treat a responsive patient?

- A. Expressed consent
- B. Informed consent
- C. Involuntary consent
- D. Implied consent

16. In therapeutic communication, the technique of restating patient's statement using your own words is termed:

- A. Clarification
- B. Summary
- C. Paraphrasing
- D. Reflection

17. Which of the following terms describes what the patient tells you is bothering him or her?

- A. Objective information
- B. Chief complaint information
- C. Subjective information
- D. Minimum data set

18. In SBAR acronym for communication with medical direction, the 'R' stands for:

- A. Request
- B. Recommendation
- C. Refusal
- D. Return

19. Which of the following is least important information to relay to medical director?

- A. Exact location of the incident
- B. Estimated time of arrival
- C. Description of the scene
- D. Physical exam finding

20. Documentation of the chief complaint, vital signs, level of consciousness, patient demographics, and assessment information is referred to as the:

- C. Notify the appropriate supervisor of the error and complete a supplemental report.
 - D. Notify the appropriate supervisor of the mistake and ask to make a change to the report.
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- A. 1 second
 - B. 2 seconds

- A. Maximum data set.
- B. HIPAA data set.
- C. Patient care report
- D. Minimum data set.

SECTION B: SHORT ANSWER QUESTIONS (SAQS); 40 MARKS

1. Outline the 7 C's in communication as applied in EMS (7 marks)
2. Describe emergency medical dispatch (9 marks)
3. Explain four purposes of EMS documentation (8 marks)
4. Explain four components of a thorough patient refusal document (8 marks)
5. Outline information included while documenting incident time (8 marks)

SECTION B: LONG ESSAY QUESTIONS (LEQS); 40 MARKS

1. Describe the barriers to EMS communication and how you can overcome them as a paramedic (20 marks)
2. Describe the components of a patient care report (PCR) (20 marks)

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