



(University of Choice)

**MASINDEMULIROUNIVERSITY OF  
SCIENCE AND TECHNOLOGY**

**(MMUST)**

**MAIN CAMPUS**

**UNIVERSITY EXAMINATIONS**

**2021/2022 ACADEMIC YEAR**

**THIRD YEAR SECOND TRIMESTER EXAMINATIONS**

**FOR THE DEGREE OF**

**BACHELOR OF SCIENCE PARAMEDICAL SCIENCE**

**COURSE CODE: NPP 326**

**TITLE: PATIENTS WITH SPECIAL CHALLENGES**

**DATE: 20<sup>TH</sup> APRIL 2022**

**TIME: 8-11 AM**

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**INSTRUCTIONS TO CANDIDATES**

**Answer All Questions**

**TIME: 3 Hours**

MMUST observes ZERO tolerance to examination cheating

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*NPP 326 PATIENTS WITH SPECIAL CHALLENGES*

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**SECTION A: MULTIPLE ANSWER QUESTIONS (Each is one mark)**

1. Which of the following is **NOT** a possible cause of visual impairment?
  - a. disease
  - b. All of the above
  - c. congenital defect
  - d. regeneration of the eyeball, optic nerve, or nerve pathway
  
2. When caring for a patient with a visual impairment, which of the following is not appropriate?
  - a. identifying noises
  - b. always transport the patient's service dog
  - c. describe the situation and surroundings
  - d. tell the patient what is happening
  
3. Which of the following is **NOT** considered a potential cause of a developmental disability?
  - a. genetic factors
  - b. complications at birth
  - c. folic acid deficiency
  - d. malnutrition
  
4. Which of the following statements is false regarding patients with autism?
  - a. they fail to use or understand nonverbal communication
  - b. they will talk with normal tone and speech patterns
  - c. they may have extreme difficulty with complex tasks that require many steps
  - d. they have difficulty making eye-to-eye contact
  
5. All of the following are associated with Down syndrome except:
  - a. a small face
  - b. short, wide hands
  - c. a protruding tongue
  - d. narrow-set eyes

6. Down syndrome patients are at an increased risk for medical complications. Which of the following is NOT one of those potential complications?
  - a. respiratory complications
  - b. cardiovascular complications
  - c. gastrointestinal complications
  - d. endocrine complications
  
7. When caring for a patient with a previous head injury, you should:
  - a. speak in a loud, commanding tone
  - b. expect the patient to be able to walk
  - c. watch the patient for signs of anxiety
  - d. never consider restraining the patient
  
8. Conductive hearing loss can be caused by:
  - a. advanced age
  - b. damage to the inner ear
  - c. nerve damage
  - d. a perforated eardrum
  
9. Which of the following is not considered a clue that your patient might be hearing impaired?
  - a. slurred speech
  - b. presence of hearing aids
  - c. traumatic brain injury at birth
  - d. postpartum infection
  
10. All of the following are possible causes of cerebral palsy except:
  - a. maternal preeclampsia
  - b. damage to the developing fetal brain in utero
  - c. traumatic brain injury at birth
  - d. postpartum infection

11. Cerebral palsy is associated with all of the following conditions except:
- a. epilepsy
  - b. cardiovascular complications
  - c. difficulty communicating
  - d. mental retardation
12. Patients with spina bifida will have:
- a. partial or full paralysis of the lower extremities
  - b. multiple cardiovascular problems
  - c. daily episodes of neck pain
  - d. a tendency to resist sitting
13. If a patient's mechanical ventilator malfunctions, you should remove the patient from the ventilator and:
- a. place the patient on a nasal cannula
  - b. place the patient on a non-rebreathing mask
  - c. begin ventilations with a bag-mask device
  - d. contact medical control
14. An apnea monitor is indicated in all of the following situations **EXCEPT**:
- a. premature birth
  - b. severe gastroesophageal reflux
  - c. family history of SIDS
  - d. asthma
15. Central venous catheters are located in all of the following areas **EXCEPT**:
- a. the upper arm
  - b. the lower leg
  - c. the chest
  - d. the clavicle

16. Patients with gastric tubes who have difficulty breathing should be transported sitting or lying on the:
- left side, with the head elevated 30 degrees
  - right side, with the head elevated 30 degrees
  - right side, with the head elevated 45 degrees
  - left side, with the head elevated 45 degrees
17. Services offered by home care agencies include all of the following **EXCEPT**:
- providing personal hygiene
  - wound care
  - taking the patient to restaurants
  - yard maintenance
18. All of the following are diseases or conditions that are associated with patients receiving hospice **EXCEPT**:
- AIDS
  - end-stage Alzheimer disease
  - cancer
  - pneumonia
19. Which of the following is not a disease prevention strategy that people living in poverty are lacking?
- vaccinations
  - nutrition
  - exercise
  - dental care
20. The term obese is used when someone is \_\_\_\_\_ over his or her ideal body weight.
- 10-20%
  - 20-30%
  - 30-40%
  - 40-50%

**SECTION 11: SHORT ANSWER QUESTIONS ( Each question is 8 marks)**

1. How do you recognize patients with hearing impairment?
2. How do you recognize and manage the care of patients with special challenges.  
(8marks)
3. Discuss situations in which advance and do not resuscitate (DNR) orders may exist and how the paramedic should proceed in situations where the validity of such a document is in question. (8 marks)
4. Briefly describe possible causes of cerebral palsy. (8 marks)
5. Discuss treatment and transportation concerns for patients with a chronic illness.  
(8marks)

**SECTION III: LONG ANSWER QUESTIONS (Each question is 20 marks)**

1. Discuss emergency management of patient with epilepsy (20 marks)
2. Discuss patients with mental retardation under the following guidelines(20 marks)
  - a) Causes of mental retardation (5 marks)
  - b) Characteristic of signs of patients with mental retardation (5 marks)
  - c) Considerations during emergency management of patients with mental retardation (10 marks)