

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

FOURTH YEAR EXAMINATION FOR THE AWARD OF DEGREE
OF BACHELOR OF SCIENCE (NURSING)

NURS 443: TRAUMA AND EMERGENCY NURSING

STREAMS: BSC (NURS)Y4S1

TIME: 2 HOURS

DAY/DATE: TUESDAY 05/12/2017

2.30 P.M. – 4.30 P.M.

INSTRUCTIONS:

INSTRUCTIONS:

- Do not write anything on the question paper
- Mobile phones and any other reference material are NOT allowed in the examination room.
- The paper has three sections. Answer ALL questions
- All your answers for section I (MCQs) should be on one page
- Number ALL your answers and indicate the order of appearance in the space provided in the cover page of the examination answer booklet.
- Write your answers legibly and use your time wisely

MULTIPLE CHOICE QUESTION (20 MARKS)

1. During adults cardiopulmonary resuscitation the airway is opened using a head tilt/chin lift maneuver to a:
 - (a) Neutral position
 - (b) Lateral position
 - (c) Sniffing position
 - (d) Fowlers position
2. The most severe injuries in mass trauma events include the following except
 - (a) Fractures
 - (b) Eye injuries
 - (c) Lacerations
 - (d) Crush injuries
3. Common causes of obstruction in trauma patients include the following except
 - (a) Mechanicalimpairment
 - (b) Blood or vomitus
 - (c) Structuralimpairment
 - (d) Depressed sensorium

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4. Nasotracheal intubation is contraindicated in the patient with
 - (a) Facial sinus
 - (b) Frontal sinus
 - (c) Cribriform plate fractures
 - (d) Spontaneously breathing
5. The ratio of chest compressions to breathing of an adult patient during cardiopulmonary resuscitation is:
 - (a) 5:1
 - (b) 1:3
 - (c) 2:1
 - (d) 30:2
6. During Advanced Cardiac Life Support (ACLS) defibrillation is only delivered for
 - (a) Irregular rhythms
 - (b) Shockable rhythms
 - (c) Non shockable rhythms
 - (d) Regular rhythms
7. The first principle of emergency care is:
 - (a) Triaging
 - (b) Airway
 - (c) Breathing
 - (d) Circulation
8. The following is true about blunt trauma except:
 - (a) They may occur from crushing and compressing forces
 - (b) Ballistic trauma is a good example
 - (c) Most of them results from vehicular accidents
 - (d) They may occur from assaults
9. The most suitable oxygen delivery device for a patient with severe respiratory distress is:
 - (a) Nasal cannula
 - (b) Simple face mask
 - (c) Venturi mask
 - (d) Masks with a reservoir
10. In the ABCD approach of emergency care, D stands for:
 - (a) Defibrillation
 - (b) Drugs
 - (c) Disability
 - (d) Danger
11. The normal blood pH range is:
 - (a) 7.25 – 7.35
 - (b) 7.35 – 7.45
 - (c) 7.45 – 7.55
 - (d) 7.55 – 7.65

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12. Disaster management principle that deals mainly with disaster prevention is that of:
 - (a) Mitigation
 - (b) Preparedness
 - (c) Response
 - (d) Recovery

13. Which of the following rhythms require defibrillation:
 - (a) Asystole
 - (b) Ventricular fibrillations
 - (c) Tachycardia
 - (d) Sinus bradycardia

14. Activities commonly associated with increase in intracranial pressure include the following EXCEPT:
 - (a) Endotracheal suctioning
 - (b) Valsavamaneuver
 - (c) Coughing
 - (d) Head of bed elevation 30 – 45 degrees

15. Which of the following combination of measurements indicate good patient oxygenation status:
 - (a) Normal sinus rhythm, SPO2-70%
 - (b) Hearth Rate -70b/min, SPO2 – 96%
 - (c) Heart rate – 120b/min, SPO2 – 95%
 - (d) Heart Rate – 90b/min, SPO2 – 80%

16. Which types of patients are coded red in emergency situations
 - (a) Open cerebral injuries without loss of consciousness
 - (b) Vascular injuries requiring repairs
 - (c) Severe burns less than 25%
 - (d) Maxillofacial injuries with asphyxia

17. Risks of open fractures include the following except
 - (a) Osteoporosis
 - (b) Tetanus
 - (c) Gas gangrene
 - (d) Osteomyelitis

18. Clinical manifestations of anaphylactic reactions include the following except
 - (a) Pruritus
 - (b) Respiratory distress
 - (c) Hypertension
 - (d) Hypotension

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19. Which statement is most correct about Paracetamol Poisoning?
- (a) Activated charcoal may be used in patients presenting within 2 hour
 - (b) IV acetycysteine is highly efficacious if administered within 24 hours of the overdose.
 - (c) Toxicity results from formation of an intermediate reactive metabolite
 - (d) In overdose, glutathione reserves become replenished
20. Which statement is not true about venoms and their clinical effects?
- (a) Neurotoxins are caused by some snakes and scorpions
 - (b) Cardiotoxins are caused by some snakes and spiders
 - (c) Cardiotoxins are caused by some snakes and scorpion
 - (d) Mycotoxins are caused by some snakes

SHORT ANSWER QUESTIONS (30 MARKS]

1. State eight WHO golden rules for safe food preparation. [8 marks]
2. Describe the trimodal distribution of death in Trauma patients. [6 marks]
3. Explain the universal colours used in triage. [5 marks]
4. State five (5) clinical manifestations of a patient with Airway obstructions. [5 marks]
5. State the clinical features of Organophosphorus (OP) Poisoning. [6 marks]

LONG ANSWER QUESTIONS (20 MARKS)

1. Mrs Kamau is admitted in burns unit with 30% burns.
 - (a) Describe her management in the first 24 hours [15 marks]
 - (b) State five complications of burns [5 marks]
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