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ROLL NUMBER

**WRITTEN TEST FOR THE POST OF NURSING OFFICER – A TO B**

DATE: 25.09.2024

TIME: 09.30 to 10.30 AM

DURATION: 60 MINUTES

Total Marks: 50

**INSTRUCTIONS TO THE CANDIDATES**

1. Write your Roll Number on the top of the Question Booklet and in the answer sheet.
2. Each question carries 1 mark.
3. There will not be any Negative Marking.
4. Write legibly the alphabet of the most appropriate answer (A, B, C or D) in the separate answer sheet provided.
5. Over-writing is not permitted.
6. Candidate should sign in the question paper and answer sheet.
7. No clarifications will be given.
8. Candidate should hand over the answer sheet to the invigilator before leaving the examination hall.

Signature of the Candidate

*Kan E. MS.*  
25/9/24.

### MFCP Nursing Officer A to B

1. The serum creatinine kinase (CK) rises in a patient with Myocardial Infarction within the first:
  - a. 4-6 hours
  - b. 12-18 hours
  - c. 2-4 days
  - d. 3-6 days
2. Which of the following ECG findings indicate the presence of hypokalemia?
  - a. ST segment depression
  - b. Tall, peak T wave
  - c. Widening of QRS complex
  - d. Prolonged PR interval
3. ----- should be performed before radial arterial cannulation to evaluate radial and ulnar arterial patency.
  - a. Valsalva maneuver
  - b. Allen test
  - c. Angiography
  - d. Capillary refilling time
4. Which of the following anti epileptic drug is available in intravenous preparation?
  - a. Phenobarbitone
  - b. Carbamazepine
  - c. Phenytoin
  - d. Ethosuximide
5. Comprehensive individualised care provided by the same nurse throughout the period of care refers to
  - a. Primary nursing
  - b. Team nursing
  - c. Functional nursing
  - d. Critical care nursing
6. Which of the following ethical principles refers to the duty not to harm?
  - a. Beneficence
  - b. Non-maleficence
  - c. Veracity
  - d. Fidelity
7. 1500 ml of normal saline is to be infused over 7 hours for a patient. The drop factor is 15 drops/ml. The nurse should set the flow rate of the IV infusion pump at how many ml / hour and drops per minute?
  - a. 214 ml/hr, 54 drops/minute
  - b. 200mlhour,50 drops/minute
  - c. 250ml/hour, 45 drops/minute
  - d. 500ml/hour, 25 drops/minute
8. A patient who has been receiving heparin therapy is also started on Warfarin sodium. The patient asks the nurse why both medications are being administered. While formulating the response the nurse incorporates the understanding that Warfarin sodium
  - a. Stimulates the breakdown of specific clotting factors by the liver, and it takes 2-3 days for this to exhibit an anticoagulant effect.
  - b. Inhibits synthesis of specific clotting factors in the liver, and it takes 3 to 4 days for this medication to exert an anticoagulation effect.
  - c. Stimulates production of the body's own thrombolytic substances, but it takes 2-4 days for it to begin.
  - d. Has the same mechanism action of heparin, and the crossover time is needed for the serum level of warfarin sodium to be therapeutic.

9. Antidote for Warfarin sodium is
- Vitamin K
  - Aminocaproic acid
  - Potassium chloride
  - Potassium sulphate
10. Failure to carry out duties in an accepted and usual standard of practice is known as
- Breach
  - Causation
  - Duty
  - Harm
11. Sympathetic stimulation of the heart normally causes which of the following?
- Acetylcholine release at the sympathetic ending
  - Decrease heart rate
  - Decrease the rate of conduction of the cardiac impulses
  - Increase force of contraction of the ventricles
12. Which of the following indicates atrial depolarization in an ECG?
- P wave
  - QRS complex
  - T wave
  - U wave
13. Characteristic respiration in diabetic ketoacidosis (DKA) is
- Kussmaul's breathing
  - Cheyne-Stokes breathing
  - Hyperventilation
  - Apnea
14. A patient presents in emergency setting. On assessment he is found to open eyes on verbal stimuli; when asked his name, he appears confused and drowsy, and moves his hand on generating painful stimuli. His GCS is
- 10
  - 11
  - 12
  - 15
15. Early symptom of myasthenia gravis includes
- Dysphagia
  - Ptosis
  - Lacrimation
  - Tremors
16. ABG analysis of an adult patient is as follows: p H = 7.50; PaCO<sub>2</sub>=40 and HCO<sub>3</sub>=35. This acid base imbalance can be interpreted as
- Metabolic alkalosis
  - Respiratory acidosis
  - Metabolic acidosis
  - Respiratory alkalosis
17. A nurse is administering 2000 ml of IVF in 10 hours. The drop factor is 15 drops/ml. what flow rate should be set?
- 8 drops/minute
  - 30 drops/minute
  - 40 drops/minute
  - 50drops/minute
18. According to WHO surgical safety checklist "TIME OUT" phase is
- Before induction of anesthesia
  - Before discharging the patient
  - Before the skin incision of the operating part
  - Before the patient leaves the OT



19. A patient with massive blood loss is admitted in emergency setting. Which of the following findings in cardiac monitor will reveal hypovolemic shock?
  - a. Decreased urine output, bradycardia
  - b. Tachycardia, hypotension
  - c. Bradycardia, hypotension
  - d. Tachycardia, hypertension
20. The nurse assesses the suction chamber of a closed chest drainage system and notes bubbling in the chamber. The nurse determines that this finding indicates that
  - a. The tubing is kinked
  - b. An air leak is present
  - c. The lung has re expanded
  - d. The system is functioning normally
21. What would be included in the care plan for a patient to prevent pulmonary embolism after surgery?
  - a. Fluid restriction
  - b. Strict bed rest
  - c. Graduated compression stockings
  - d. Perform deep breathing exercise
22. Cholinesterase inhibitors are indicated for the treatment of
  - a. Diabetic ketoacidosis
  - b. Myasthenia gravis
  - c. Status epilepticus
  - d. Increased intracranial pressure
23. Chemical used for plasma sterilization?
 

a. Ethylene oxide	c. Formaldehyde
b. Hydrogen peroxide	d. Silver nitrate
24. What is the maximum storage life of platelet concentrate?
 

a. 5 days	c. 30 days
b. 2 weeks	d. 3 months
25. How long can FFP be stored under -30 degree or below as per NBTC?
 

a. 2months	c. 6months
b. 3months	d. 1 year
26. What do you mean by pulse deficit?
  - a. Difference between systolic and diastolic blood pressure
  - b. Missing of a pulse in normal pulse rhythm
  - c. Difference between apical and radial pulse
  - d. Difference in pulse between standing and sitting position
27. What is the most common congenital heart defect with a left to right shunt causing congestive heart failure in the pediatric age group?
  - a. Atrial septal defect
  - b. Ventricular septal defect
  - c. Patent ductus arteriosus
  - d. Aortopulmonary window

28. Management of cyanotic spell in tetralogy of Fallot's include all the following except
- Oxygen administration
  - Knee chest position
  - Morphine
  - Dopamine
29. Which one of the following drugs has a potassium sparing effect?
- Spironolactone
  - Digoxin
  - Furosemide
  - Ramipril
30. Cardiac output is directly depended upon
- Peripheral vascular resistance
  - Heart rate only
  - Heart rate and stroke volume
  - Intravascular blood volume
31. A CT scan of the head shows collection of blood between the skull and dura mater in a head injury patient. Which type of head injury does this finding suggests?
- Subdural hematoma
  - Subarachnoid hemorrhage
  - Epidural hematoma
  - Contusion
32. The nurse is assessing the functioning of a chest drainage tube system in a patient with hemothorax. Which of the following finding would prompt the nurse to notify the physician?
- Fluctuation of water in the tube in the water seal chamber during inhalation and exhalation
  - Drainage system maintained below the client's chest
  - Drainage amount of 100 ml in the drainage chamber
  - Occlusive dressing in place over the chest tube insertion site
33. A patient with subarachnoid hemorrhage is prescribed 1000mg loading dose of Dilantin IV. Which consideration is most important when administering this drug?
- Therapeutic drug level should be maintained between 20- 30 mg/ml
  - Rapid Dilantin administration can cause cardiac arrhythmias
  - Dilantin should be mixed in dextrose in water before administration
  - Dilantin should be administered intramuscularly
34. When evaluating ABG from a client with subdural hematoma, the nurse notes PCO<sub>2</sub> 30 mm Hg. Which of the responses best describe this result?
- Appropriate for the condition ; lowering carbon dioxide reduces intracranial pressure
  - Emergent; the client is poorly oxygenated
  - Normal for the condition
  - Significant; the client has alveolar hypoventilation
35. After hypophysectomy vasopressin is given IM for which of the following reasons?
- To treat growth failure
  - To prevent syndrome of inappropriate antidiuretic hormone
  - To reduce cerebral edema and lower intracranial pressure
  - To replace antidiuretic hormone normally secreted by the pituitary gland



36. The principal goals of therapy for the older patients who have poor glycemic control are;
- Enhancing the quality of life
  - Decreasing the chance of complications
  - Improving self-care through education
  - All of the above
37. Prolonged occlusion of the right coronary artery produces infarction of which part of the heart?
- Anterior wall
  - Apical
  - Inferior wall
  - Lateral wall
38. Carpal tunnel syndrome affects which nerve in the body?
- Median nerve
  - Peroneal nerve
  - Radial nerve
  - Ulnar nerve
39. Which cranial nerve is the longest nerve?
- Trochlear
  - Auditory
  - Vagus
  - Abducens
40. What type of precautions is required when managing an infectious patient?
- Standard infection control precautions
  - Transmission based precautions
  - Standard infection control precautions and Transmission based precautions
  - No precaution
41. Bactericidal agents
- Kill bacteria
  - Prevent bacterial multiplication
  - Stimulate the growth of bacteria
  - Prevents overgrowth
42. Spores of *Bacillus stearothermophilus* is used for determining efficacy of
- Filtration
  - Hot air oven
  - Moist heat sterilization
  - Flaming
43. Which condition places a patient at risk for an embolic stroke?
- Bradycardia
  - Atrial fibrillation
  - Deep vein thrombosis
  - History of Myocardial Infarction
44. Romberg's test is used to assess
- Visual acuity
  - Hearing
  - Balance
  - Corneal reflex
45. The cardiac rhythms most likely to result in a cardiac arrest are
- Ventricular tachycardia, atrial fibrillation and Pulseless Electrical Activity (PEA)
  - Sinus tachycardia, atrial fibrillation and PEA
  - Ventricular fibrillation, heart block and PEA
  - Ventricular fibrillation, ASYSTOLE, PEA
46. Which of the following are key communication skills in work with patients?
- Active listening
  - Suggestions
  - Story telling
  - Seeking confirmation

47. The nurse employed in an emergency department is assigned to triage patients coming to the emergency department for treatment on the evening shift. The nurse should assign priority to which patient?
- A patient who twisted her ankle when she fell while rollerskating
  - A patient complaining of muscles aches, headache and malaise
  - A patient with minor laceration on the index finger sustained while cutting vegetables
  - A patient with chest pain who states that he just ate pizza that was made with a very spicy sauce
48. The nurse is caring for a client with Heart Failure. On assessment, the nurse notes that the client is dyspnoeic and crackles are audible on auscultation. What additional signs would the nurse expect to note in this patient if excess fluid volume is present?
- Weight loss
  - Flat neck and hand veins
  - An increase in blood pressure
  - Decreased central venous pressure
49. The nurse reviews the ABG results of a client and notes the following: pH 7.45, PCO<sub>2</sub> 30 mmHg and HCO<sub>3</sub> 20 mEq/L. The nurse analyses these results as indicating which condition?
- Metabolic acidosis, compensated
  - Respiratory alkalosis, compensated
  - Metabolic alkalosis, uncompensated
  - Respiratory acidosis, uncompensated
50. A nurse has obtained a unit of blood from the blood bank and has checked the blood bag properly with another nurse. Just before beginning the transfusion, the nurse should assess which priority item?
- Vital signs
  - Skin color
  - Urine output
  - Latest hematocrit level

Answer key

Nursing Officer FCP September 2024

Q.no	key
1	a
2	a
3	b
4	c
5	a
6	b
7	a
8	b
9	a
10	a
11	d
12	a
13	a
14	c
15	b
16	a

17	d
18	c
19	b
20	d
21	c
22	b
23	b
24	a
25	d
26	c
27	c
28	d
29	a
30	c
31	c
32	c
33	b

34	a
35	d
36	d
37	c
38	a
39	c
40	c
41	a
42	c
43	b
44	c
45	d
46	a
47	d
48	c
49	b
50	a

*(Signature)*  
MC 25/9/24