

**Sree Chitra Tirunal Institute for Medical Sciences & Technology,**

**Thiruvananthapuram-695011**

**Written test: MFCP –Staff Nurse: A to B**

**4<sup>th</sup> Nov, 2014**

**Roll Number: .....**

1. Manifestations of Increased intracranial pressure include all except
  - A. Somnolence
  - B. GCS >13
  - C. Pupil asymmetry
  - D. VI nerve palsy
2. Anticholinesterase agents are indicated in the treatment of
  - A. Myasthenia gravis
  - B. Status epilepticus
  - C. Diabetic keto acidosis
  - D. Increased intracranial pressure
3. Mr X has taken NPH Insulin at 8am. Its effect starts
  - A. Between 8 30am - 9am
  - B. Between 9am-10am
  - C. Between 10am and 11am
  - D. Between 2pm 3pm
4. Commonest manifestation of complete heart block is
  - A. Heart rate <40/mt
  - B. Dyspnoea and cough with frothy sputum
  - C. Chest pain
  - D. Blood Pressure 120/80mm of Hg
5. Complications of atrial fibrillation is caused by
  - A. Stasis of blood
  - B. Increased cardiac output
  - C. Irregular rhythm
  - D. Decreased cardiac output
6. Common complications of intravenous infusion include all except
  - A. infiltration
  - B. phlebitis
  - C. circulatory overload
  - D. Hypothermia
7. The ideal storage temperature of Plasma Rich Platelets are
  - A. 2 -6 Degree Celsius
  - B. 20-22 Degree Celsius
  - C. <2 Degree Celsius
  - D. -80 Degree Celsius
8. Recommended P<sub>CO2</sub> range for hyperventilation to reduce ICP is
  - A. 25-30 mm of Hg

- B. <20 mm of Hg
  - C. 35-40 mm of Hg
  - D. >80 mm of Hg
9. Choose the isotonic solution for intravenous infusion
- A. 5% dextrose in 0.225% saline
  - B. 0.45% saline
  - C. 0.225% saline
  - D. 5% Dextrose in 0.9% saline
10. Decerebrate posturing can be described as
- A. Flaccid paralysis of all extremities
  - B. Abduction of arms at the level of shoulder
  - C. Rigid extension and pronation of arms and legs
  - D. Abnormal flexion of the upper extremities
11. Mr X on intravenous therapy, suddenly developed tachycardia, dyspnoea, cyanosis hypotension, decreased level of consciousness. It may be a manifestation of
- A. Catheter embolism
  - B. Circulatory overload
  - C. Air embolism
  - D. Infiltration
12. Which drug is effective for management of supraventricular tachycardia?
- A. Atropine
  - B. Adenosine
  - C. Adrenaline
  - D. Phenytoin sodium
13. What is the approximate hemoglobin in a normal newborn at birth?
- A. 10-12 g/100ml of blood
  - B. 12-14 g/100ml of blood
  - C. 15-20 g/100ml of blood
  - D. 21-25 g/100ml of blood
14. The drug rarely used to control status epilepticus
- A. Inj Midazolam
  - B. Inj Fosphenytoin
  - C. Inj Lorazepam
  - D. Inj Pancuronium Bromide
15. Which is the primary consideration when preparing to administer thrombolytic therapy to a patient who is suffering from an acute myocardial infarction (MI)?
- A. Presence of arrhythmia
  - B. Elevation of CPK
  - C. Size and location of the MI
  - D. Time since onset of symptoms
16. The purpose of water in the water seal chamber of a chest drainage system is to
- A. Foster removal of chest secretion
  - B. prevent the entrance of air into the pleural cavity

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- C. facilitate emptying of bloody drainage from the chest
  - D. decrease the danger of sudden change of pressure within the tube
17. The immediate response of the nurse on hearing the low pressure alarm on ventilator should be
- A. Administer Oxygen
  - B. Check vital signs
  - C. Call the anesthetist
  - D. Initiate manual ventilation
18. How many milliliters per hour are required to administer 1000 units of Heparin per hour from 500ml of D5W with 20,000 units of inj Heparin?
- A. 25ml/hour
  - B. 40ml/hour
  - C. 2.5ml/hour
  - D. 16ml/hour
19. Inj Cefuroxime Sodium 1g in 50ml, Normal saline is to be administered over 30 minutes. How many drops/minute is required (1ml = 15 drops).
- A. 25
  - B. 16
  - C. 30
  - D. 12
20. Chemical sterilant used for plasma sterilization
- A. Silver Nitrate
  - B. Ethylene oxide
  - C. Formaldehyde
  - D. Hydrogen Peroxide
21. One hour after extubation, a diabetic patient who underwent CABG appears slightly lethargic. Blood gas result: pH, 7.33; PO<sub>2</sub>, 80 mmHg; PCO<sub>2</sub>, 50 mm Hg; Sao<sub>2</sub>, 95%; HCO<sub>3</sub>, 28 mEq/L; base excess, 0.5. Immediate nursing intervention is
- A. Obtain a blood glucose level
  - B. Obtain a 12-lead ECG
  - C. Treat metabolic acidosis
  - D. Stimulate patient to breathe
22. A Nurse can best minimize the risk for infection when initiating an intravenous puncture by:
- A. Proper selection of vein
  - B. Effective topical skin preparation
  - C. Appropriate site dressing
  - D. Gloving for the procedure
23. A pre-surgical client asks you why it seems "so easy to get an infection in the wound" after surgery. The most appropriate response to this question is
- A. "The contaminated dressing acts as a breeding ground for microorganisms that then infect the wound."
  - B. "The body's immune system is weakened by the surgery and can't fight off the infection effectively."

- C. "While infections occur, there are many very effective antibiotics available to help minimize the risk of that happening."
  - D. "The surgical wound provides the microorganisms on the surrounding skin a path to enter deep into the body's tissues."
24. In a Post-operative patient Staphylococcus aureus , found normally on the skin can cause
- A. cold sore
  - B. Pneumonia
  - C. Wound infection
  - D. urinary tract infection
25. What is the correct order for a nursing assistant for putting on the protective equipment when caring for a client in isolation?
- A. Wash her hands, apply the mask and eyewear, put on the gown, and then apply gloves
  - B. Apply the mask and eyewear, put on the gown, wash her hands, and then apply gloves
  - C. Wash her hands, put on the gown, apply the mask and eyewear, and then apply the gloves
  - D. Put on the gown, apply the mask and eyewear, wash her hands, and then apply gloves
26. What is the first action to be done on sustaining a needle stick injury?
- A. Report to occupational health and fill an incident form.
  - B. Gently make the wound bleed, place under running water and wash thoroughly with soap and water.
  - C. Take blood from patient and self for Hep B screening
  - D. Squeeze the puncture and wash with soap and water. Cover any wound with a Water-proof dressing
27. The assessment tool used for predicting pressure ulcer score risk is
- A. GCS scale
  - B. Braden scale
  - C. Apgar score
  - D. NIHSS
28. Identify the drug which prevents platelet adhesion
- A. Acetyl salicylic acid
  - B. Heparin sodium
  - C. Recombinant tissue plasminogen activator
  - D. Tranexamic acid
29. Mrs X staff nurse noticed that MrP was lying on the floor and calling for help. The most appropriate statement to document the incident is
- A. the patient fell down from the bed
  - B. The patient was found lying on the ground
  - C. The patient jumped out of the bed and fell down
  - D. The patient was disoriented and tried to get out of the bed

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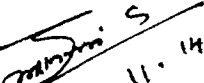
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30. In relation to NIHSS , which of the following statement is correct.
- A. >36 score can be interpreted as **NO stroke**
  - B. 30 -35score can be interpreted as **mildstroke**
  - C. **5-15** score can be interpreted as **moderate stroke**
  - D. 1-4 score can be interpreted as **severe stroke**
31. Choose the inappropriate statement related to acidosis. Arterial blood gas result shows
- A. PH -7.3
  - B.  $\text{PCO}_2$  -45mmof Hg
  - C.  $\text{PO}_2$ - 80mmof Hg
  - D.  $\text{HCO}_3$ -18mEq/l
32. The most common side effect of metformin is
- A. hypoglycemia
  - B. gastrointestinal disturbances
  - C. weight gain
  - D. flushing and palpitations
33. The patient admitted with Guillain-Barre syndrome, having ascending paralysis up to the level of waist. The most essential item required to keep near the bed side includes
- A. Nebulizer
  - B. Flash light
  - C. Incentive spirometer
  - D. Intubation tray
34. How will the nurse assess the peripheral response to pain in an unconscious patient?
- A. Sternal rub
  - B. Nail bed pressure
  - C. Pressure on the orbital rim
  - D. Squeezing the sternocleidomastoid muscle
35. What is the cause of suction induced cardiac arrhythmias?
- A. Compression
  - B. Trauma
  - C. Dehydration
  - D. Hypoxia
36. In which category of drug does Verapamil belong?
- A.  $\beta$  adrenergic blockers
  - B. Calcium channel blocker
  - C. Catecholamine
  - D. Alpha adrenergic blocker
37. All of the following statements concerning autoclaving are true, except:
- A. Under 15 p.s.i of pressure, water boils at 121°C
  - B. In order for an item to be sterilized in an autoclave, steam must contact its entire surface.
  - C. Any material that needs to be sterilized should be autoclaved.
  - D. Large volumes or solid substances require longer autoclaving times.

38. Which of the following microbes are not destroyed by pasteurization?
- A. Salmonellae
  - B. E. coli
  - C. Bacillus stearothermophilus
  - D. Brucella melitensis
39. HIV can easily be killed by all of the following, except:
- A. 70% alcohol
  - B. 75°C temperature
  - C. Gamma irradiation
  - D. Boiling
40. Which is the safest method to clean spilled blood on the floor?
- A. Expose to air till it becomes dry and clean with detergent
  - B. Immediately wipe off with absorbent material and clean as usual
  - C. Wipe with a cloth after putting gloves and wash hands with soap and water
  - D. Cover the area with an absorbent material soaked in chemical germicide and leave for 10 minutes and then clean with gloved hands.
41. Which of the following terms includes the destruction of bacterial endospores?
- A. Antisepsis
  - B. Sterilization
  - C. Sanitation
  - D. Disinfection
42. How Pressure Support Ventilation (PSV) helps the patient in ventilation?
- A. Takes care ventilatory need completely
  - B. Supplement additional  $O_2$  to help the efficiency of breathing
  - C. Supply large tidal volumes
  - D. Augment spontaneous breathing
43. What is the maximum storage life of platelet concentrate?
- A. 3 months
  - B. 30 days
  - C. 2 weeks
  - D. 3 days
44. What is the glucose level of normal CSF?
- A. 100-110 mg/100ml
  - B. 135-145 mg/100ml
  - C. 10-20 mg/100ml
  - D. 45-75 mg/100ml
45. Which of the following is a means of informal communication?
- A. Report
  - B. Notices
  - C. Grapevine
  - D. Memo
46. What do you mean by pulse deficit?
- A. Missing of a pulse in normal pulse rhythm

- B. Difference between systolic and diastolic blood pressures
  - C. Difference between pulse in sitting and standing position
  - D. Difference between apical and radial pulse
47. Ignoring the complaint of a patient is an act of
- A. Ignorance
  - B. Negligence
  - C. Omission
  - D. Commission
48. Which of the following sites is not suitable for Intramuscular injections?
- A. Upper outer quadrant of the buttocks
  - B. Lateral aspects of thigh
  - C. Outer aspect of shoulder
  - D. Medial aspect of thigh
49. The first step in the management of hemodynamically stable arrhythmias should be .....
- A. Attempt diagnosis
  - B. Initiate cardioversion
  - C. Initiate CPR
  - D. Administer anti arrhythmic drugs
50. If the patient accidentally extubates, immediately the nurse has to
- A. Watch for signs of respiratory failure
  - B. Keep equipment ready for re-intubation
  - C. Administer humidified oxygen, reassure the patient and observe for normal respiration
  - D. Initiate Ambu ventilation and Inform doctor

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