



SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL SCIENCES & TECHNOLOGY

THIRUVANANTHAPURAM—695 011, INDIA.

(An Institute of National Importance under Govt. of India)

Phone—(91)0471—2443152 Fax—(91)0471—2446433, 2550728

Email-sct@sctimst.ac.in Web site—www.sctimst.ac.in

ROLL NUMBER

WRITTEN TEST FOR THE POST OF NURSING OFFICER A TO B

DATE: 28/09/2023

TIME: 10 AM To 11

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 and question paper to the invigilator before leaving the examination hall.

Signature of the Candidate

Rupa Sreedhar
28/9/2023

Nursing Officer A to B -I MFCP 28/9/2023

1. A patient is scheduled for cardiac catheterization using radio opaque dye. Which of the following assessment is most critical before the procedure?
 - a. Intake and output
 - b. Baseline peripheral pulse rate
 - c. Height and weight
 - d. Allergy to iodine or shellfish
2. The serum creatine kinase level rises in a patient with myocardial infarction within the first
 - a. 4-6 hours
 - b. 2-4 days
 - c. 12-18 hours
 - d. 3-6 days
3. Rhythms require permanent pacing in patients with cardiac disorders include:
 - a. Supraventricular tachycardia
 - b. Second degree AV block: Mobitz Type I
 - c. Complete heart block
 - d. W-P W Syndrome
4. How much is the AHA recommended energy dose for defibrillation in ventricular fibrillation using a biphasic defibrillator?
 - a. 200J
 - b. 400J
 - c. 300J
 - d. 100J
5. What is the recommended INR for anticoagulant therapy with Warfarin in a patient who has a mechanical mitral prosthetic heart valve in situ?
 - a. 1.3
 - b. 4
 - c. 5
 - d. 3
6. What is the main cell that produces CSF?

Reena Kreedhan
28/9/2023

- a. Astrocytes
 - b. Ependymal cells
 - c. Schwann cells
 - d. Purkinje cells
7. Which of the following is not a good drug target for cardiac arrhythmias?
- a. Calcium channel blockers
 - b. Potassium channel activators
 - c. Sodium channel blockers
 - d. Beta blockers
8. Select class II anti arrhythmic agent from the following list
- a. Diltiazem
 - b. Lidocaine
 - c. Propranolol
 - d. Verapamil
9. What is the drug of choice for acute VT refractory to cardioversion shock?
- a. Digoxin
 - b. Isoprenaline
 - c. Amiodarone
 - d. Imipramine
10. Who developed an electrocardiogram?
- a. Wilhelm His
 - b. Steward
 - c. Hubert Mann
 - d. Willem Einthoven
11. Tall peaking T waves, prolonged QT interval, and widening of QRS complex is seen in
- a. Hyponatremia
 - b. Hypokalemia
 - c. Hyperosmolar hyperglycemic state
 - d. Hypophosphatemia
12. A normal PR interval duration ranges between
- a. 0.04 - 0.12 seconds (small squares of 1-3)
 - b. 0.12 - 0.2 seconds (small squares of 3-5)
 - c. 0.04 - 0.08 seconds (small squares of 1-2)
 - d. 0.08 - 0.12 seconds (small squares of 2-3)
13. What would it suggest if ST elevation is noted in lead II, III and aVF?
- a. Inferior myocardial infarction
 - b. Posterior myocardial infarction

Rupa Sreedhar
28/9/2023

- c. Septal myocardial infarction
 - d. Anterior myocardial infarction
14. Which one of the following should NOT be done if an electric fire starts?
- a. Cut off the electricity
 - b. Remove the oxygen source
 - c. Use water to put it out
 - d. If the fire is small, you may put it out by smothering it with baking soda.
15. What is the most important measure of standard precautions?
- a. Hand washing
 - b. Isolation
 - c. Disinfection of equipment
 - d. Environmental disinfection
16. Minimum and Maximum Scores of Glasgow Coma Scale are
- a. 8-9
 - b. 8-12
 - c. 12-13
 - d. 3-15
17. Nurse engaged in suction process for a tracheostomy patient. How long she should do suctioning?
- a. Not more than 10 seconds
 - b. Not more than 20 seconds
 - c. Not more than 25 seconds
 - d. Not more than 30 seconds
18. Assessment of a term neonate at 8 hours after birth reveals tachypnoea, diminished femoral pulses, and poor lower body perfusion. The nurse notifies the healthcare provider based on the interpretation that these symptoms are associated with which complication?
- a. Coarctation of the aorta
 - b. Atrioventricular septal defect

Reya Sreedhar
28/9/2023

- c. Pulmonary atresia
 - d. Transposition of the great arteries
19. The correct ratio of compressions to ventilations when doing single rescuer CPR on a infant is?
- a. 15 compressions to 2 breaths
 - b. Continuous compressions and ventilate once every 6 seconds
 - c. 30 compressions to 15 breaths
 - d. 30 compressions to 2 breaths
20. The nurse is providing postoperative care for an infant who had a ventriculo peritoneal shunt placed to correct hydrocephalus. Which clinical finding warrants immediate intervention?
- a. Abdominal distention
 - b. Lethargy
 - c. Facial oedema
 - d. Headache
21. A client has a history of heart failure and has been prescribed furosemide, digoxin, and potassium chloride. The client has nausea, blurred vision, headache, and weakness. The nurse notes that the client is confused. The telemetry strip shows first-degree atrioventricular block. The nurse should assess the client for signs of:
- a. Hyperkalaemia.
 - b. Digoxin toxicity.
 - c. Fluid deficit.
 - d. Pulmonary oedema.
22. During cardiopulmonary resuscitation (CPR) for an adult, the rescuer's hands should be placed two fingers' width above the lower end of the sternum. Which organ would be most likely at risk for laceration by forceful compressions over the xiphoid process?
- a. Lung
 - b. Liver
 - c. Stomach
 - d. Diaphragm
23. Which finding will the nurse observe in the client in the ictal phase of a generalized tonic-clonic seizure?
- a. Jerking in one extremity that spreads gradually to adjacent areas
 - b. Vacant staring and abruptly ceasing all activity
 - c. Facial grimaces, patting motions, and lip smacking
 - d. Loss of consciousness, body stiffening, and violent muscle contractions

Rupa Freedman
28/9/2023

24. A client arrives in the emergency department with an ischemic stroke. Because the healthcare team is considering administering tissue plasminogen activator (t-PA) administration, the nurse should first:
- Ask what medications the client is taking.
 - Complete a history and health assessment.
 - Identify the time of onset of the stroke
 - Determine if the client is scheduled for any surgical procedures.
25. A client with a recent diagnosis of deep vein thrombosis (DVT) has sudden onset of shortness of breath and chest pain that increases with a deep breath. The nurse should first:
- Assess the oxygen saturation.
 - Call the healthcare provider (HCP).
 - Administer morphine sulfate, 2 mg IV.
 - Perform range-of-motion exercises in the involved leg.
26. Excess use of adrenaline can precipitate which condition?
- Atrial fibrillation
 - Ventricular fibrillation
 - Atrial flutter
 - Ventricular tachycardia
27. Inj. Amiodarone must be diluted in
- 0.9% saline
 - 0.45% saline
 - DNS
 - 5% Dextrose
28. Which of the following diseases is airborne?
- Viral conjunctivitis
 - Acute poliomyelitis
 - Diphtheria
 - Measles
29. What is the antidote for opioids that will completely reverse the effects of an opioid overdose if administered timely?

Rupa Soodhan
28/9/2023

- a. Naltrexone
 - b. Naloxone
 - c. N Acetyl cysteine
 - d. Nimodipine
30. What the nurse must do when transporting a patient with intercostal drainage tubes?
- a. Clamp the chest tube and keep the drainage system below the chest
 - b. Clamp the chest tube and keep the drainage system on the trolley
 - c. Do not clamp the chest tube and keep the drainage system below the chest
 - d. Do not clamp the chest tube and keep the drainage system on the trolley
31. Which of the following is an ethical principle that guides nursing practice?
- a. Autonomy
 - b. Utilitarianism
 - c. Virtue
 - d. Care
32. Which one of the following is the smallest cranial nerve?
- a. Vagal
 - b. Abducens
 - c. spinal nerve
 - d. auditory nerve
33. What is the scale used to quickly and summarily assess the health of the newborn immediately after birth?
- a. Braden scale
 - b. Glasco Coma Scale
 - c. Visual analogue
 - d. APGAR
34. Normal CSF pressure is
- a. 6-25 cm H₂O
 - b. 50-60 cm H₂O
 - c. 100-200 cm H₂O
 - d. >300 cm H₂O
35. A patient with an ischemic stroke is to receive a total of 60mg of rtPA. How much is to be administered as bolus initially?
- a. 3mg IV push
 - b. 6mg IV push
 - c. 9mg IV push
 - d. 12mg IV push
36. Which of the following is the goal for maintaining glucose levels in stroke?
- a. Treat if greater than 250mg/dl
 - b. Between 140-180mg/dl
 - c. Maintain less than 130mg/dl

Rupa Sreedhar
28/9/2023

- d. Between 80-120mg/dl
37. The nurse is preparing to set up an intravenous infusion of normal saline 1000mL over a 6-hour period. The tubing drop factor is 10gtt/mL. Which of the following rates of infusion should the nurse choose?
- a. 12gtt/min
 - b. 28gtt/min
 - c. 33 gtt/min
 - d. 36 gtt/min
38. A patient is admitted for pulmonary embolism and is receiving heparin 1500 units/hour IV. In case of a serious bleeding reaction the nurse has which of the following drugs readily available?
- a. Vitamin K
 - b. Protamine sulphate
 - c. Promethazine hydrochloride
 - d. Ondansetron
39. Which of the following findings in the client's history should the nurse report to the physician when the patient is posted for MRI of the brain?
- a. Allergy to contrast dye
 - b. Implanted cardiac pacemaker
 - c. COPD
 - d. Hernia repair
40. Which of the following complication can occur by administering hypertonic saline rapidly?
- a. Trans tentorial herniation
 - b. Cytotoxic cerebral oedema
 - c. Central pontine myelinolysis
 - d. Hydrocephalus
41. What is the recommended rate of administering Phenytoin (Dilantin) IV for the control of seizures in an adult?
- a. Administer as an IV rapid push
 - b. Administer over 5 minutes
 - c. Administer no faster than 50 mg/minute
 - d. Administer as a continuous infusion until the seizures subside
42. A patient who has undergone an interventional procedure is complaining of swelling and pain in the groin. Upon assessment a pulsatile mass that has a bruit is found. Which of the following is the most likely cause?
- a. Hematoma
 - b. Inguinal hernia
 - c. Pseudoaneurysm
 - d. Arterial thrombosis
43. In which one of the following disorders will the patient have episodes of severe, sudden shock like pain on one side of the face that lasts for seconds to minutes?
- a. Myasthenia gravis
 - b. Alzheimer's disease

Rupa Sreedhar

28/9/2023

- c. Trigeminal neuralgia
 - d. Tics disorder
44. Which disease is caused by the demyelination of cranial nerve?
- a. Bell's palsy
 - b. Strabismus
 - c. Syringomyelia
 - d. Multiple sclerosis
45. In which one of the following conditions can the patient have increasing temperature and blood pressure, and decreasing pulse and respiration?
- a. Dementia
 - b. Increased intracranial pressure
 - c. Decreased intracranial pressure
 - d. Cerebral aneurysm
46. Isolation of a child with measles belongs to what level of prevention?
- a. Primary
 - b. Secondary
 - c. Intermediate
 - d. Tertiary
47. Flexion position that indicates severe impairment of cerebral function?
- a. Decerebrate
 - b. Decorticate
 - c. Opisthotonos
 - d. Trendelenburg
48. Which of the following is a plasma volume expander?
- a. Normal saline
 - b. Hydroxyethyl starch
 - c. Ringer lactate
 - d. Dextrose normal saline
49. Ideal position to prevent aspiration during Ryles tube feeding is
- a. Side lying position
 - b. Head end 30 degree elevated
 - c. Supine position
 - d. Sitting position
50. The ideal temperature and pressure used for autoclaving?
- a. 119 degrees Celsius at 12psi
 - b. 120 degrees Celsius at 15psi
 - c. 121 degrees Celsius at 15 psi
 - d. 122 degrees Celsius at 16psi

Reena Kreedhan
28/9/2023

Nursing Officer A to B -I MFCP Answer Keys 28/9/2023

Q.NO	Ans	Q.NO	Ans	Q.NO	Ans	Q.NO	Ans	Q.NO	Ans
1	d	2	a	3	c	4	a	5	d
6	b	7	b	8	c	9	c	10	d
11	c	12	b	13	a	14	c	15	a
16	d	17	a	18	a	19	d	20	a
21	b	22	b	23	d	24	c	25	a
26	b	27	d	28	d	29	b	30	c
31	a	32	b	33	d	34	a	35	b
36	b	37	b	38	b	39	b	40	c
41	c	42	c	43	c	44	d	45	b
46	a	47	b	48	b	49	b	50	c

Repa Sreedhar
28/9/2023