

श्री चित्रा तिरुनाल आयुर्विज्ञान और प्रौद्योगिकीसंस्थान, तिरुवनंतपुरम्-11 SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL SCIENCES & TECHNOLOGY THIRUVANANTHAPURAM—695 011

ENTRANCE EXAMINATION - ACADEMIC SESSION JANUARY 2022

Program: Diploma in Cardiovascular and Thoracic Nursing/Diploma in Neuronursing

	Time:90 Minutes	Max. Marks: 100
	(Select the mo	ost appropriate answer)
_	(There are no negation	ive marks for wrong answers)
1	After cardiac surgery, a client's determines that the mean arteri	blood pressure measures 126/80. The nurse all pressure (MAP) is which of the following?
	a. 46 mm Hg b. 80 mm Hg	c. 95 mm Hg d. 78 mm Hg
2	The forceps used for endotrache	eal intubation is
	a. Kelly's Forcepsb. Magill Forceps	c. Mosquito forcepsd. DeBakey Forceps
3	Normal range of CSF protein is	
	a. 20-40mg/dl b. 05-20 mg/dl	c. 15-45 mg/dl d. 45-80 mg/dl
4	The nerve involved in Bell's Pal	sy
	a. Facial b. Trigeminal	c. Optic d. Vagus
5	Transforming thoughts, ideas a referred to	nd messages into verbal and non-verbal signs is
	a. Channel of communicationb. Mediation	c. Encoding d. Decoding
6		d is 650 mg every 6 hours. The medication label with 4.8 ml of sterile water to yield 2g in 5 ml. How draw from the vial for one dose?
	a. 1.3 ml b. 1.6ml	c. 1.8ml d. 2ml
7	How would you position a patie	ent for Lumbar Puncture?
	a. Supine with head elevatedb. Prone	c. Lateral Side Lying positiond. Sim's Position

8	The normal pH of human blood	
	a. 6.35-645 b. 7.5-7.6	c. 7.35-7.45 d. 7.8-7.9
9	Which of the following is a life	threatening arrhythmia?
	a. Sinus Bradycardiab. Ventricular Fibrillation	c. Junctional Escape Rhythmd. Atrial Fibrillation
10		n upper part of body elevated between 60 and 90
	degrees a. Fowler'sb. Semi- Fowler's	c. Sim's Position d. High Fowler's
11	According to 2020 AHA Guideli the recommended ratio of exter	nes, while giving CPR to an adult by 2 persons, nal chest compression to ventilation is
	a. 15-1 b. 15-2	c. 30-1 d. 30-2
12		is receiving an aminoglycoside antibiotic(Eg- monitor which laboratory value.
	a. Serum sodiumb. Serum Potassium	c. Serum Creatinine d. Serum Calcium
13	Term used to describe the amodiastole?	unt of stretch on the myocardium at the end of
	a. Preload b. Cardiac Index	c. Cardiac Output d. Afterload
14	The part of brain which controls	s posture and balance
	a. Midbrainb. Cerebrum	c. Cerebellum d. Medulla Oblongata
15	A priority nursing intervention surgery in older adults is:	to prevent respiratory complications after
		c. Increase fluid intake during first 24 hours d. Encourage the patient to turn, deep breathe and cough frequently
16		implement to prevent ventilator-associated mechanical ventilation?
	a. Practice meticulous hand hygieneb. Head of bed elevation	c. Hyperoxygenate before suctioningd. Change ventilator circuit every 4 hours
17	at 10 degrees Factors influencing the nosocon	nial infection are
	a. Patient susceptibilityb. Microbial agent	c. Environmental Factors d. All of the above

18	Which of the following medica "gingival hyperplasia"?	ations used for seizures has the side effect of
	a. Phenobarbitalb. Valproic Acid	c. Phenytoin d. Carbamazepine
19	Which of the following is the diabetic patients?	common clinical manifestation of hypoglycemia in
	a. Diaphoresis b. Polyuria	c. Nausea, Vomiting d. Weight loss
20	The most important drug in t	he management of Anaphylactic Shock?
	a. Atropineb. Adrenaline	c. Deriphyllin d. Aminophylline
21	The most common cause of is	chemic stroke is
	a. Arterial Stenosisb. Haemorrhage	c. Thrombus d. Aneurysm Rupture
22	Which of the following person prevention of droplet infection	al protective equipments will mainly help in
	a. Gloves b. Gown	c. Googles d. Mask
23	Infusion of 500ml of normal s minute? (the drop factor is 15	aline over 10 hrs require how many drops per drops /mt)
•	a. 13 b. 15	c. 17 d. 20
24	Broca's area in the left hemis	phere of the brain is related to
	a. Learning and reasoningb. Receiving impulses	c. Speech d. Sensation of smell
25	from eyes The amount of blood pumped termed as	by each ventricle during ventricular contraction is
	a. Stroke Volume	c. Tidal Volume d. Heart rate
26	A patient on mechanical vent sensitivity report of the routing	ilation admitted in the ward. Culture and ne endotracheal aspirate was found positive for
	MRSA. The first priority actio	n of the nurse is
	 a. Obtain a blood sample for culture and sensitivity 	d. Transfer the patient to an isolation room with
	b. Initiate contact precautions	negative pressure ventilation
27	Subarachnoid space is the sp	ace between
	a. Piamater and arachnoib. Arachnoid mater and d	d mater c. Piamater and brain

28	The antidote used in paracetamol	toxicity
	a. Isoproterenolb. Desferroxamine	c. Atropined. N- Acetylcysteine
29	What is the glucose level of a norm	al CSF?
30	a. 100-110 mg/100mlb. 135-145mg/100 mlThe heart valve present between Le	c. 10-20 mg/100ml d. 45-75mg/100 ml
	a. Mitral valve b. Aortic valve	c. Tricuspid valve d. Pulmonary valve
31	Which among the following is a cya	-
,	a. Ventricular septal Defectb. Patent Ductus Arteriosus	c. Tetralogy of Fallotd. Atrial Septal Defect
32	Normal value of serum sodium leve	el?
	a. 95-115 meq/Lb. 120-130 meq/L	c. 135-145 meq/L d. 150-160 meq/L
33	procedure should the nurse withhe	ise and planning for intubation. Which ald until the client is properly intubated?
24	a. Gastric feeding b. Urinary catheterisation	c. Finger stick for blood glucose leveld. Venepuncture for complete blood count
34	Drug which decrease heart rate	a Maturus la l
	a. Deriphyllineb. Dopamine	c. Metoprolol d. Diamox
35	The recommended flow rate of oxyg	en via nasal cannula is
	a. 1-4 litres/minuteb. 4-6 litres/minute	c. 6-8 litres/minute d. 8-10 litres/minute
36		sitting in the chair. The first action the nurse
	must do is a. Lift the patient to bed	c. Restrain body movements
	b. Ease the patient to the floor	d. Insert an airway into the mouth
37	The thrombolytic agent used in acu	
	a. Heparin	c. Aspirin
38	b. Tissue plasminogen Activator Vaccination is an example for	d. Low molecular weight heparin
30	- -	c. Primary Prevention
39	a. Tertiary preventionb. Secondary preventionRemoving 250 to 500ml of blood from	d. None of the above
	a. Venipunctureb. Vasodilation	c. Phlebotomy d. Apheresis

40	The purpose of water in water seal chamber of a chest drainage system is to
	 a. Foster removal of chest secretions b. Prevent entrance of air into the pleural cavity c. Facilitate emptying of bloody drainage from the chest d. Decrease the danger of sudden change of pressure within the tube
41	Patients with raised intracranial pressure should be nursed in
	 a. Flat position b. Side-Lying position c. Head end elevated to 30 degree with neck neutral position d. Head end elevated with neck flexed
42	The treatment of choice for Ventricular Fibrillation
	 a. Cardioversion b. Defibrillation c. CPR d. Head end elevated to 90
43	Paradoxical respiration is commonly seen in
	a. Congestive heart failureb. Obstructive airway diseasec. Cardiac Tamponaded. Flail Chest
44	The Q wave in an ECG represents
	a. Atrial depolarisation b. Ventricular depolarisation c. Ventricular repolarisation d. Atrial repolarisation
45	The most important initial step in clinical waste management is
	a. Storage c. Segregation b. Transportation d. Labelling
46	Which of the following is a gram negative bacteria?
	a. Staphylococcus Aureus b. Mycobacterium c. Streptococcus d. Pseudomonas Aeruginosa A client is receiving heparin sodium by continuous intravenous infusion. Which
47	adverse effect of this therapy should the nurse monitor the cherry
	a. Tinnitus b. Ecchymoses c. Increased Pulse rate d. Decreased Blood pressure
48	An older adult with a history of heart failure is admitted to the emergency department with pulmonary oedema. On admission, what should the nurse assess first
49	a. Blood Pressure b. Skin Breakdown Normal PR interval in ECG c. Serum Potassium level d. Urine Output
	a. 0.12- 0.20 seconds b. 0.10 - 0.12 seconds d. 0.08-0.12 seconds

50	The difference between apical pulse ra	ate and radial pulse rate is
	a. Pulse deficitb. Pulsus alternans	c. Pulsus Bigeminy d. Pulse pressure
51	The breathing pattern associated with depth of respiration is increased	Diabeticketoacidosis in which rate and
	a. Cheyne-Stokes respirationb. Tachypnoea	c. Apnoea d. Kussmaul's Respiration
52	Which of the following is an early indi	
	a. Cyanosisb. Hypotension	c. Decreased respirationsd. Restlessness
53	A client has a prescription for seizure be included in the plan of care?	precautions. Which interventions should
	a. Have suction equipment readily availableb. Keep all the lights on in the room at night	c. Keep tongue blade at the bedsided. None of the above
54	infusion and notes that area is redden	site after completion of a vancomycin ned, warm, painful and slightly edematous r. Which action by the nurse is the best?
	a. Check for the presence of blood returnb. Remove the IV catheter and restart at another site	c. Document the findings and continue to monitor the sited. Request to change the order to be given orally
55	On assessment of a newborn, the nurse notes that it feels soft. The nurse detection? a. Dehydration b. Normal Finding	se palpates the anterior fontanelle and rmines that this finding indicates which c. Decreased ICP d. Increased ICP
56	A 6 year old child is admitted with corordered for child. The bottle contains the Which of the following amounts should a. 1.2 ml	
	b. 2.4 ml	d. 4.2 ml
57	Which one is the best defence in legal	issues associated with nursing care?
	a. Physician's report on the incidentb. Nursing Supervisor's report on the incident	c. Duty nurses' accurate documentationd. Patient's self-report
58	The perception of noise or ringing in the	ne ears is otherwise termed as
59	a. Vertigob. TinnitusWhen planning care for a client with not that the client is at a highest risk for	c. Tenesmus d. Meniere's Disease nyasthenia gravis, the nurse understands
	a. Aspiration.b. Bladder dysfunction	c. Hypertensiond. Sensory loss

60	The nurse evaluates the ABG results of a oxygen. Which finding would indicate that	client who is receiving supplemental at the oxygen level was adequate?
	a. A PO2 of 45 mm Hgb. A PO2 of 50 mm Hg	c. A PO2 of 60 mm Hg d. A PO2 of 85 mm Hg
61	The type of arrhythmia showing saw toot	hed wave pattern in ECG
62		increases. Which of the following blood
	a. 102/60 mm of Hg b. 110/90 mm of Hg	c. 140/100 mm of Hgd. 160/100 mm of Hg
63	The most common cause of airway obstruocclusion by a. vomitus b. Tongue	c. Oral secretions d. Foreign body
64	b Obtain a new IV tubing iodine	IV tubing into the IV bag, the tubing
65	Normal Intracranial Pressure	
	a. 0-5 mm Hgb. 5-15 mm Hg	c. 20-25 mm Hgd. 25-30 mm Hg
66	The nurse reviews wound culture results infection in a wound. Which type of transnurse institute for this client? a. Enteric precautions b. Droplet precautions	and learns that client has MRSA smission based precautions does the c. Air borne precautions d. Contact Precautions
67	The size of the intravenous cannula (in a	
	a. 18b. 20	c. 22 d. 26
68	a. Prevent irritation on the c.	helps to Prevent transmission of microorganisms Prevent dryness of mucus membranes

69	International Nurses' Day Theme 2021	
	 a. Nurses' a voice to lead; Nursing the world to Health 	c. Nurses' a voice to lead; Health For all
	 b. Nurses' a voice to lead; Vision for future health care 	d. Nurses' a voice to lead; health is the human right
70	The cranial nerve responsible for pupilla	ry constriction and eyemovement
	a. Optic nerve	c. Vagus
	b. Trigeminal	d. Oculomotor
71	Centre for controlling body temperature	
	a. Hypothalamus	c. Cerebellum
	b. Medulla Oblongata	d. Midbrain
72	Collection of air in the subcutaneous tiss	eue
	a. Melanoma	c. Empyema
7 0	b. Pyoderma	d. Emphysema
73	Inj.Dopamine is prescribed for a patient will know that medication is working if particularly in the control of	
	a. Blood pressure rises	c. Cardiac Index falls
	b. Blood pressure decreases	d. Pulmonary pressure rises
74	ECG changes in myocardial Ischemia	
	a. ST segment depression	c. Widened QRS complex
	b. Physiologic Q wave	d. Distorted P waves
75	The nurse is caring for a client with ches Which of the following laboratory findings	-
	a. ESR 10 mm/hr	c. Creatine Phosphokinase-MB(CK
	b. Hematocrit(Hct): 42%	MB):4ng/ML
76	A 10 year boy is admitted with diagnosis	d. Serum glucose: 100 mg%
, 0	severe headache, a stiff neck, vomiting, p	
	can make him more comfortable by	-
	a. Providing him with a large soft	c. Encouraging him to drink fluids
	pillow b. Teaching him deep breathing	 d. Closing the shades and dimming the lights
77	What is the smallest gauge intravenous c	3
•	blood transfusion in adults?	2011-1011 United Chair Sci 4004 10 Gar
	a. 20 G	c. 26 G
	b. 24 G	d. 28 G
78	Dyspnoea associated with congestive hear	rt failure is primarily due to
	 a. Blockage of pulmonary artery by an embolism 	c. Blockage of bronchi by mucus secretions
	b. Accumulation of fluid in the interstitial spaces and alveoli of	d. Compression of lung by the dialated heart
	lung	

79	The lung disease charaterised by destr	uction of alveloar walls
	a. Empyemab. Bronchitis	c. Lung Abscessd. Emphysema
80	Which one of the following values of Co	erebrospinal fluid decreases in Bacterial
	meningitis? a. Sugar b. Cells	c. Protein d. Chloride
81	On auscultation, which finding sugges	sts a right pneumothorax?
	a. Bilateral inspiratory and	 Inspiratory wheezes in the right thorax
	expiratory crackles b. Absence of breath sounds in right thorax	d. Bilateral pleural friction rub
82	According to Maslow's hierarchy of ne	eds, which is the highest level of need of
	an individual? a. Basic physiological	c. Self Actualizationd. Self Esteem
83	b. Safety The largest cranial nerve	d. Self Esteem
00	a. Facial	c. Hypoglossal
	b. Oculomotor	d. Trigeminal
84	Which of the following is not a cyanoti	
	a. Tetralogy of Fallot	c. Truncus arteriosusd. Coarctation of Aorta
85	 b. Tricuspid Atresia Diabetes Insipidus is caused by defiect 	ciency of
	a. Growth hormone	c. Insulin metabolismd. ACTH hormone
86	b. Antidiuretic hormone Which of the following is the modifial	ole risk factor for cardiovascular diseases?
00	a. Heredity	c. Gender
	h Age	d. Smoking
87	Disorder that results from damage to language	areas of brain that produce and process
	a. Ataxia	c. Apraxia
	b. Aphasia	d. Agnosia
88	What is the diameter of a infusion nee	edle known as ?
	a. Cannula	c. Gauge
	b. Hub	d. All of the above
89	Which of the following is the most cor	nmon side effect of Aspirin?
	a. Gastrointestinal bleedingb. Constipation	c. Nystagmusd. Urinary Incontinence

90	If a patient is expected to need multip best to choose which of the following	ole IVs or an extended hospitalization, it is sites for the first IV?
		Dominant forearm It doesn't matter where the first IV is placed
91	The lung function test is determined l	by
	a. Tonometerb. Spirometer	c. Barometer d. Sphygomanometer
92	Father of Infection Control	
	a. Ignaz Semmelweisb. Edward Jenner	c. Alexander Flemingd. Louis Paster
93	A child is admitted to the hospital with endocarditis. The child has been experimentally confirm the diagnosis? a. Sedimentation test b. Blood Culture	
94	Which of the following findings would who is in compensatory stage of shock	the nurse most likely note in the client
	a. Decreased urinary outputb. Significant hypotension	c. Tachycardia d. Mental Confusion
95	When suctioning a client's tracheostor of the following steps into the procedu	ny tube, nurse should incorporate which re?
	 a. Oxygenate the client before suctioning 	c. Use a bolus of sterile water to stimulate cough
06	b. Insert the suction catheter about 2 inches into the cannula	procedure
96	The antibodies produced by the body's a. Ig A	c. IgM
	b. Ig D	d. IgG
97	What is the strength of isotonic saline?	
	a. 0.10%	c. 0.90%
00	b. 1% A shildhard disarder share steriood by	d. 9%
98	A childhood disorder characterised by social interaction, restricted repeated	activities and interaction
	a. Phobia b. Obsession	c. Illusion d. Autism
99	The amount of air that moves in and o	
	a. Tidal Volumeb. Expiratory Reserve Volume	c. Vital Capacity
100	The major cation in the intracellular flu	d. Inspiratory Respiratory Volume uid(ECF) is
	a. Calcium	c. Magnesium
	b. Potassium	d. Sodium

DNN-DCN 2022 ACADEMIC SESSION

Γ	T	7
1	С	
2	Ь	
3	С	
4	а	
5	С	
6	b	
7	С	
8	с	
9	b	
10	d	
11	d	
12	С	
13	а	
14_	С	
15	d	
16	а	
17	d	
18	c ·	
19	а	
20	b	

21	С	
22		
23	а	
24	С	
25	a	
26	b	
27	а	
28	d	
29	d	
30	a	
31	С	
32	С	
33	а	
34	С	
35	a	
36	b	
37	b	
38	С	
39	с	
40	b	

41	С
42	
43	d
44	b
45	C
46	d
47	b
48	а
49	а
50	а
51	d
52	d
53	а
54	b
55	b
56	b
57	С
58	b
59	а
60	d

61	b	
62	d	
63	b	
64	b	
65	b	
66	d	
67	d	
68	d	
69	b	
70	d	
71	а	
72	d	
73	а	
74	а	
75	С	
76	d	
77	а	
78	b	
79	d	
80	a	

81	b
82	С
83	d
84	d
85	b
86	d
87	b
88	С
89	а
90	b
91	b
92	а
93	b
94	с
95	а
96	с
97	С
98	d
99	a
100	b

			•
·			