



श्री चित्रा तिरुनाल आयुर्विज्ञान और प्रौद्योगिकी संस्थान, त्रिवेंद्रम , केरल- 695 011
(एक राष्ट्रीय महत्व का संस्थान, विज्ञान एवं प्रौद्योगिकी विभाग, भारत सरकार)
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Entrance Examination 2020 - Diploma _ in _ Nursing & Neuro _ Nursing

Sl No	Question	Answer	OptionA	OptionB	OptionC	OptionD
1	The primary pacemaker of the human heart is	D	Purkinje Fibres	AV node	Bundle of His	SA node
2	Breathlessness on lying down is called	A	Orthopnoea	Cyanosis	Dyspnoea	Eupnoea
3	Lasix (Furosemide) is a	B	Osmotic diuretic	Loop Diuretic	Potassium sparing diuretic	Thiazide diuretic
4	The nerve involved in Bell's Palsy	A	Facial	Trigeminal	Optic	Vagus
5	International Nurses' Day is celebrated every year	C	June 12th	July 1 st	May 12th	May 31st
6	The safe site for giving intramuscular injection in the gluteal region is	C	Upper and inner quadrant	Lower and inner quadrant	Upper and outer quadrant	Lower and outer quadrant
7	Which of the following is a posterior pituitary hormone	D	Prolactin	Calcitonin	Growth hormone	Oxytocin
8	The normal pH of human blood	C	6.35-6.45	7.5-7.6	7.35-7.45	7.8-7.9
9	The major route of transmission of Hepatitis A	A	Fecal-oral	Parenteral	Sexual	Perinatal
10	"International Year of Nurse and Midwife" as designated by WHO	D	2017	2018	2019	2020
11	Which of the following food items is rich in Vitamin C?	C	Milk	Fish	Oranges	Banana
12	The basic functional unit of kidneys	B	Renal cortex	Nephron	Glomerulus	Renal Medulla
13	The inner most layer of the heart	A	Endocardium	Epicardium	Myocardium	Pericardium
14	The part of brain which controls posture and balance	C	Midbrain	Cerebrum	Cerebellum	Medulla Oblongata
15	A priority nursing intervention to prevent respiratory complications after surgery in older adults is:	D	Ambulate the patient every 2 hours	Monitor intake & output every shift	Increase fluid intake during first 24 hours	Encourage the patient to turn, deep breathe and cough frequently
16	The single most effective means of preventing Hospital Acquired Infection	B	Universal Precautions	Handhygiene	Personal Protective equipment	Sterilization
17	The organ which secretes the hormone insulin	C	Kidneys	Liver	Pancreas	Spleen
18	Type 2 Diabetes can cause long term damage in the	D	Eyes	Kidneys	Nerves	All of the above
19	Before discussing a possible exercise regimen with a 50 year old female who was recently diagnosed with type 2 Diabetes Mellitus, nurse should initially	C	Encourage brisk walking	Recommend weight training	Ensure adequate glucose control	Develop an exercise schedule
20	A short gap in myelin sheath around a nerve fibre	C	Dendrite	Axon terminal	Nodes of Ranvier	Synapse
21	A naturally occurring compound which reduces the sensation of pain and generates feeling of well-being?	D	Acetylcholine	Epinephrine	Dopamine	Endorphin
22	The gold standard diagnostic test for COVID-19?	A	Real Time RT-PCR	Rapid Antigen Test	Rapid Antibody Test	ELISA
23	Inj.Cefotaxim 1gm in 50 ml of Normal Saline is to be administered over 30 minutes. How many drops/minute is required? (1ml = 15 drops)	A	25	16	30	12
24	Broca's area in the left hemisphere of the brain is related to	C	Learning and reasoning	Receiving impulses from eyes	Speech	Sensation of smell
25	Commonest cause of cardiopulmonary arrest in children	A	Hypoxia	Arrhythmias	Acute Pulmonary embolism	Myocarditis
26	In a postoperative patient, Staphylococcus Aureus, found normally on the skin can cause	C	Cold sore	pneumonia	Wound Infection	Urinary Tract Infection
27	An injury sustained by the hypothalamus is most likely to interrupt	B	Coordination using locomotion	Regulation of body temperature	Short term memory	Executive Function like decision making
28	The drug which should <u>not</u> be kept in an emergency trolley	D	Inj.Adrenaline	Inj.Atropine	Inj.Hydrocortisone	Inj.Potassium Chloride
29	What is the glucose level of a normal CSF?	D	100-110 mg/100ml	135-145mg/100 ml	10-20 mg/100ml	45-75mg/100 ml
30	The heart valve present between Left atrium and left Ventricle is	A	Mitral valve	Aortic valve	Tricuspid valve	Pulmonary valve
31	The process of destroying microorganisms including their spores is	D	Disinfection	Decontamination	Pasteurisation	Sterilization
32	Percentage of bleach solution used for disinfecting articles and Linen of a COVID-19 patient is	A	0.5	1.5	2	3
33	A client is brought to emergency room, bleeding profusely due to injury. On assessment, BP-80/50, pulse of 110, and respirations of 28. The nurse should expect which of the following potential problems?	A	Hypovolemic shock	Cardiogenic shock	Neurogenic Shock	Septic Shock
34	An inotropic drug	B	Deriphylline	Dopamine	Dexona	Diamox
35	The energy value of 1 gm protein is	A	4 cal	6 cal	9 cal	10 cal
36	The third ventricle in the brain opens into the fourth ventricle by	C	Foramen of Munroe	Foramen of Magendie	Aqueduct of Sylvius	Foramen of Luschka
37	Accumulation of fluid in the peritoneal cavity	B	Cardiac Tamponade	Ascitis	Hydrothorax	Edema
38	Primary prevention of disease focuses on	A	Health Promotion	Prompt treatment	Early Diagnosis	Rehabilitation
39	Anemia caused due to deficiency of Vitamin B12	C	Microcytic	Aplastic	Pernicious	Haemolytic

40	Which of the following measures prevent Deep Vein Thrombosis in bedridden patients?	B	Propped up position	Compression Bandage	Incentive Spirometry	Back Massage
41	Patient on anticoagulant drugs reports bleeding gum, black tarry stools .It is a manifestation of	A	Drug overdose	Drug sensitivity	Irregular intake of prescribed dose	Drug underdose
42	The treatment of choice for Ventricular Fibrillation	B	Cardioversion	Defibrillation	CPR	Lidocaine
43	A Patient develops seizure while sitting in the chair. The first action the nurse must do is	B	Lift the patient into the bed	Ease the patient into the floor	Restrain body movements	Insert an airway into the mouth
44	The P wave in an ECG represents	A	Atrial depolarisation	Ventricular depolarisation	Ventricular repolarisation	Atrial repolarisation
45	The most important initial step in clinical waste management is	C	Storage	Transportation	Segregation	Labelling
46	According to 2015 AHA Guidelines, while giving CPR to an adult, the recommended rate of external chest compression is	B	80-100/mt	100-120/mt	120-140/mt	140-160/mt
47	Which of the following involves nurses responsibility in preparing a patient for Magnetic Resonance Imaging(MRI)?	D	IV Mannitol for 6 hours before the procedure	Shaves the groin for insertion of femoral catheter	Teach deep breathing exercises.	Removes all metal containing objects from the patient
48	The period between the entry of microorganism and the presence of antibodies in the blood is called	B	Incubation Period	Window period	Isolation period	Signs and symptoms
49	The first heart sound S1 is due to closure of	B	Aortic Valve	Atrio-ventricular valves	Pulmonary valve	Rapid ventricular filling
50	The difference between apical pulse rate and radial pulse rate is	A	Pulse deficit	Pulsus alternans	Pulsus Bigeminy	Pulse pressure
51	The breathing pattern associated with Diabeticketoacidosis in which rate and depth of respiration is increased	D	Cheyne-Stokes respiration	Tachypnoea	Apnoea	Kussmaul's Respiration
52	The part of chain of infection in which the infectious agent can survive and possibly multiply until it can invade a susceptible host?	B	Portal of entry	Reservoir	Mode of transmission	Portal of exit
53	MRSA can be transmitted	D	Through medical equipments that is shared and not disinfected properly between patients	Through hands of health care providers due to Improper hand hygiene	Through environmental surface not properly cleaned	All of the above
54	A client with hypertension is receiving Furosemide 20 mg BD. Which finding would indicate to the nurse that the client is experiencing an adverse effect related to medication?	C	A chloride level of 100 mEq/L	A sodium level of 135 mEq/L	A potassium level of 3 mEq/L	A blood urea nitrogen of 15 mg/dL
55	On assessment of a newborn, the nurse palpates the anterior fontanelle and notes that it feels soft. The nurse determines that this finding indicates which condition?	B	Dehydration	Normal Finding	Decreased ICP	Increased ICP
56	A health care provider prescribes syrup paracetamol, 450 mg orally every 6 hours. The medication label reads 250mg/5 ml. How many ml of the drug is to be given to administer one dose?	B	8ml	9ml	10ml	11ml
57	Which one is the best defence in legal issues associated with nursing care?	C	Physician's report on the incident	Nursing Supervisor's report on the incident	Duty nurses' accurate documentation	Patient's self-report
58	The perception of noise or ringing in the ears is otherwise termed as	B	Vertigo	Tinnitus	Tenesmus	Meniere's Disease
59	Where is the apical impulse normally located?	B	Left sternal border at the fifth intercostal space.	Left midclavicular line at the fourth or fifth intercostal space.	Left anterior axillary line at the fifth intercostal space.	Right sternal border at the second intercostal space.
60	Which of the following is not a component of Glasgow Coma Scale?	A	Best sensory response	Best motor response	Best eye opening	Best verbal response
61	Which one of the following is considered as 'good cholesterol'?	C	Very Low Density Cholesterol.	Low Density Cholesterol.	High Density Cholesterol	Total Cholesterol
62	The initial blood pressure of a patient with a head injury is 124/80 mm of Hg. As his condition worsens, pulse pressure increases. Which of the following blood pressure readings indicates a pulse pressure greater than the initial pulse pressure?	D	102/60 mm of Hg	110/90 mm of Hg	140/100 mm of Hg	160/100 mm of Hg
63	The most common cause of airway obstruction in the unresponsive victim is occlusion by	B	vomitus	Tongue	Oral secretions	Foreign body
64	Which clinical manifestation does the nurse assess as a typical reaction to long – term phenytoin sodium (Dilantin) therapy?	C	Weight gain	Insomnia	Gum hyperplasia	Decreased vision
65	The occurrence in a community or region of cases of an illness, specific health-related behaviour or other health related events clearly in excess of normal expectancy	C	Endemic	Pandemic	Epidemic	Emergency
66	The nurse reviews wound culture results and learns that client has MRSA infection in a wound . Which type of transmission based precautions does the nurse institute for this client?	D	Enteric precautions	Droplet precautions	Air borne precautions	Contact Precautions

67	The nurse evaluates the patency of a peripheral intravenous site and suspects an infiltration. Which action should the nurse take to determine if the IV has infiltrated?	D	Strip the tubing and assess for a blood return	Increase the infusion rate and observe for swelling	Check the region for redness and warmth	Gently palpate regional tissue for oedema and coolness
68	Infusion of one pint of 0.9% of Na Cl (480 ml) if given at a rate of 15 drops/min will get over by	C	4 hours	6 hours	8 hours	10 hours
69	The world Health Day theme of 2020 is	B	Universal Health Coverage: Everyone, Everywhere	Support Nurses and Midwives	Depression: Let's talk	Halt the rise: Beat Diabetes
70	The cranial nerve responsible for pupillary constriction and eyemovement	D	Optic nerve	Trigeminal	Vagus	Oculomotor
71	Paralysis of the four extremities is termed	A	Quadriplegia	Paraplegia	Monoplegia	Hemiplegia
72	Which among the following is a hypotonic solution?	A	0.45% NS	0.9% NS	5% Dextrose	25% Dextrose
73	A normal sinus ECG trace always has	B	P wave after QRS complex	P wave before QRS Complex	0.3 second gap between P wave and QRS Complex	0.05 sec gap after T wave and before the next P wave
74	In which of the following blood vessels the blood pressure will be highest?	B	Pulmonary Artery	Aorta	Pulmonary veins	Vena Cava
75	The nurse is caring for a client with chest pain in the emergency department. Which of the following laboratory findings would MOST concern the nurse?	C	ESR 10mm/hr	Hematocrit(Hct): 42%	Creatine Phosphokinase-MB(CK-MB):4ng/ML	Serum glucose:100 mg%
76	Lungs and walls of thorax are enclosed by ----- membrane	C	Myocardium	Pericardium	Pleural	Peritoneum
77	In which part of lung,exchange of gas take place during respiration	B	Trachea	Alveoli	Larynx	Bronchioles
78	The nurse is teaching a client who has iron deficiency anemia about foods she should include in her diet. The nurse determines that the client understands the dietary instructions if she selects which of the following from her menu?	D	Nuts and Fish	Butter and margarine	Sugar and Candy	Oranges and dark green leafy vegetables
79	A patient's chest X ray result reveals bilateral white-outs, indicating adult respiratory distress syndrome This syndrome results from	C	Cardiogenic Pulmonary oedema	Respiratory alkalosis	Increased pulmonary capillary permeability	Renal Failure
80	Which one of the following values of Cerebrospinal fluid decreases in Bacterial meningitis?	A	Sugar	Cells	Protein	Chloride
81	On auscultation, which finding suggests a right pneumothorax?	B	Bilateral inspiratory and expiratory crackles	Absence of breath sounds in right thorax	Inspiratory wheezes in the right thorax	Bilateral pleural friction rub
82	To determine the structural relationship of one hospital department with another, the nurse should consult which of the following?	A	Organizational chart	Job Description	Personnel policies	Procedure Manual
83	Salbutamol is primarily a/an	A	Bronchodilator	Bronchoconstrictor	Vasodilator	Vasoconstrictor
84	Which of the following pairs is wrongly matched?	C	Pneumothorax- Air	Pleural Effusion- Fluid	Chyllothorax- Pus	Hemothorax- Blood
85	Involuntary loss of urine during coughing, sneezing or laughing?	C	Functional Incontinence	Overflow Incontinence	Stress Incontinence	Reflex Incontinence
86	Which of the following is the modifiable risk factor for cardiovascular diseases?	D	Heredity	Age	Gender	Smoking
87	Expand PPE	C	Patient Protective Environment	Personal Protective Environment	Personal Protective Equipment	Primary Protective Equipment
88	What is the diameter of a infusion needle known as ?	C	Cannula	Hub	Gauge	All of the above
89	When a health care professional is inserting a peripheral IV, where is the best place to start?	B	Antecubital fossa	Hand	Forearm	Upper arm
90	If a patient is expected to need multiple IVs or an extended hospitalization, it is best to choose which of the following sites for the first IV?	B	Antecubital fossa	Non dominant hand	Dominant forearm	It doesn't matter where the first IV is placed
91	The nurse is preparing to give an intramuscular injection.Which one of the following sites has the least amount of blood vessels and major nerves located in the area?	A	Vastus lateralis	Deltoid	Dorsogluteal	Triceps
92	Which of the following medications would the nurse anticipate administering in the event of a heparin overdose?	B	Warfarin sodium	Protamine Sulphate	Acetylsalicylic acid	Atropine Sulphate
93	The nurse is caring for a client who has had a myocardial infarction involving a large section of the heart muscle. The nurse anticipates that the client is at risk for	A	cardiogenic shock	Hypovolemic shock	Neurogenic shock	Metabolic shock
94	Which of the following findings would the nurse most likely note in the client who is in compensatory stage of shock?	C	Decreased urinary output	Significant hypotension	Tachycardia	Mental Confusion
95	When suctioning a client's tracheostomy tube, nurse should incorporate which of the following steps into the procedure?	A	Oxygenate the client before suctioning	Insert the suction catheter about 2 inches into the cannula	Use a bolus of sterile water to stimulate cough	Use clean gloves during the procedure
96	A client has been diagnosed with right-sided heart failure. Which of the following clinical manifestations would the nurse expect to find in the client?	C	Intermittant claudication	Dyspnoea	Dependent oedema	Crackles

97	Which of the following complications is associated with a tracheostomy	B	Decreased cardiac output	Damage to laryngeal nerve	Pneumothorax	Acute respiratory Distress syndrome
98	The nurse is preparing to administer 0.1 mg of digoxin IV. Digoxin comes in a concentration of 0.5 mg/2 ml. How many millilitres should the nurse administer?	B	0.2 ml	0.4 ml	2.2 ml	2.5ml
99	The nurse gives the client usual dose of Human Regular Insulin at 7 AM. At 10:30 AM, client complains of lightheadedness and sweating. The nurse suspects that the client is experiencing	C	Metabolic acidosis	Hyperglycemia	Hypoglycemia	Ketoacidosis
100	The major cation in the extracellular fluid (ECF) is	D	Calcium	Potassium	Magnesium	Sodium