45/24

Question Booklet Alpha Code



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Total Number of Questions: 100 Time: 90 Minutes

Maximum Marks: 100

INSTRUCTIONS TO CANDIDATES

- 1. The Question Paper will be given in the form of a Question Booklet. There will be four versions of Question Booklets with Question Booklet Alpha Code viz. **A, B, C & D**.
- 2. The Question Booklet Alpha Code will be printed on the top left margin of the facing sheet of the Question Booklet.
- 3. The Question Booklet Alpha Code allotted to you will be noted in your seating position in the Examination Hall.
- 4. If you get a Question Booklet where the alpha code does not match to the allotted alpha code in the seating position, please draw the attention of the Invigilator IMMEDIATELY.
- 5. The Question Booklet Serial Number is printed on the top right margin of the facing sheet. If your Question Booklet is un-numbered, please get it replaced by new Question Booklet with same alpha code.
- 6. The Question Booklet will be sealed at the middle of the right margin. Candidate should not open the Question Booklet, until the indication is given to start answering.
- 7. Immediately after the commencement of the examination, the candidate should check that the Question Booklet supplied to him/her contains all the 100 questions in serial order. The Question Booklet does not have unprinted or torn or missing pages and if so he/she should bring it to the notice of the Invigilator and get it replaced by a complete booklet with same alpha code. This is most important.
- 8. A blank sheet of paper is attached to the Question Booklet. This may be used for rough work.
- 9. Please read carefully all the instructions on the reverse of the Answer Sheet before marking your answers.
- 10. Each question is provided with four choices (A), (B), (C) and (D) having one correct answer. Choose the correct answer and darken the bubble corresponding to the question number using Blue or Black Ball Point Pen in the OMR Answer Sheet.
- 11. Each correct answer carries 1 mark and for each wrong answer 1/3 mark will be deducted. No negative mark for unattended questions.
- 12. No candidate will be allowed to leave the examination hall till the end of the session and without handing over his/her Answer Sheet to the Invigilator. Candidates should ensure that the Invigilator has verified all the entries in the Register Number Coding Sheet and that the Invigilator has affixed his/her signature in the space provided.
- 13. Strict compliance of instructions is essential. Any malpractice or attempt to commit any kind of malpractice in the Examination will result in the disqualification of the candidate.

A -2-

- 1. The most potent stimulus for medullary chemoreceptors is
 - A) \downarrow pO2 in blood
 - B) ↑ H+ concentration in blood
 - C) ↑ pCO2 in CSF
 - D) ↑ H+ concentration in CSF
- 2. Which of the following is not present in pancreatic juice?
 - A) Aminopeptidase
 - B) Amylase
 - C) Lipase
 - D) Ribonuclease
- 3. Phase 2 of Cardiac muscle action potential is due to
 - A) Na+ influx
 - B) K+ efflux
 - C) Ca2+ influx
 - D) Ca2+ efflux
- 4. Choose the incorrect statement about blood groups.
 - A) Landsteiner law is applicable to all blood group systems
 - B) Only naturally occurring antibodies are A and B
 - C) Rh antibody is found only after sensitisation
 - D) O negative blood group is universal donor
- 5. Choose the false statement about Neuromuscular junction in skeletal muscle.
 - A) Acetyl Choline is the neurotransmitter
 - B) Action potentials are produced at motor end plates
 - C) Antibodies are produced against acetyl choline receptors in Mysthenia gravis
 - D) Gallamine is a non depolarising blocker drug
- 6. The sensation transmitted by lateral spinothalamic pathway is
 - A) Vibration
 - B) Pain
 - C) Fine touch
 - D) Pressure
- 7. The concept that Hand washing is the first preventive measure in control of infection was put forward by
 - A) Ernst Ruska
 - B) Louis Pasteur
 - C) Ignaz Semmelweis
 - D) Robert Koch

8.	Transduction is one mechanism of genetic resistance by	transfer resulting in antibiotic			
	A) Plasmid C) Transposons	,	Bacteriophage Insertion sequences		
9.	Anaerobic Culture Methods include all exce A) Thioglycollate broth C) MacConkey Agar	B)	GasPak Anaerobic Blood Agar		
10.	Sexually transmitted infections include all e A) Shigella dysentery C) Syphilis	B)	ept Gonorrhoea Herpes simplex type 2		
11.	The defence mechanism in which channelli and behaviours into socially accepted behaviour A) Repression C) Sublimation	avio B)			
12.	Which of the following are perceptual disor i. Delusion ii. Illusion iii. Hallucination iv. Dementia	der	s?		
	A) Only ii and iiiC) Only i and iii	,	Only i and iv All of the above i, ii, iii, iv		
13.	What is the theory which says "we feel sad b we tremble"?	eca	use we cry and we are afraid because		
	A) Lazarus' theoryC) Cannon – Bard theory	,	Schachter and Singer's theory James – Lange theory		
14.	What is a scale on which a pairs of opposit A) Visual analogue scale C) Semantic differential scale	B)	djectives are presented called ? Guttman scale Likert scale		
15.	Which of the following is the correct hierarch theory? i. Self-esteem needs ii. Physiological needs iii. Self-actualization needs iv. Safety and security needs v. Love, affection and belongingness need A) i, ii, iii, iv and v C) ii, v, iv, i and iii	ds B)	order of Maslow's hierarchy of needs ii, iv, v, i and iii iv, ii, v, i and iii		

- 16. Which of the following is an example of an intrinsic motivation?
 - A) Rewards
 - B) Money
 - C) Grades
 - D) Employee's feeling of self-worth
- 17. Which theory analyzes the concepts like personal troubles of milieu and public issues of social structure?
 - A) Sociological imagination
 - B) Chicago school
 - C) Synthetic school
 - D) Formalistic school
- 18. The following question consist of two statements, one labelled as 'Assertion A' and the other labelled as 'Reason R'. You are to examine these two statements carefully and decide if the Assertion A and the Reason R are individually true and if so, whether the Reason is a correct explanation of the Assertion.
 - **Assertion (A):** Children pick up ways of behaving appropriately as per their culture from their friends, media and various other source.
 - **Reason (R)** : Socialization is a complex process that takes place through various formal and informal means.

Choose the correct option:

- A) Both (A) and (R) are true and (R) is the correct explanation of (A)
- B) Both (A) and (R) are true but (R) is not the correct explanation of (A)
- C) (A) is true but (R) is false
- D) Both (A) and (R) are false
- 19. The following question consist of two statements, S1 and S2. Read the statements carefully and select the most appropriate option.
 - **S1**: Divorce is physical separation of a spouses.
 - **S2**: Separation is legal termination of a marriage.
 - A) Both S1 and S2 are true
 - B) S1 is true and S2 is false
 - C) S1 is false and S2 is true
 - D) Both S1 and S2 are false

- 20. Which one of the following statements is true to describe 'Domestic Violence'?
 - A) In 'Domestic Violence', the only victims are 'Married Women'
 - B) 'Girl Child' are only vulnerable to 'Domestic Violence'
 - C) 'Domestic Violence' includes physical, sexual, mental, verbal, emotional and economic abuse of a person in a household setting
 - D) 'Domestic Violence' is an indication of progressive society
- 21. A patient with a history of diabetes mellitus is admitted to the hospital for surgery. The surgeon orders an intravenous (IV) infusion of 5% Dextrose in Normal Saline (D5NS) at 100 mL/hour. The nurse assesses the patient's blood glucose level before starting the IV infusion and obtains a reading of 180 mg/dL. What action should the nurse take before initiating the IV infusion?
 - A) Begin the IV infusion as ordered; the blood glucose level is within the acceptable range
 - B) Administer a bolus of regular insulin before starting the IV infusion
 - C) Notify the surgeon and request a change in the IV fluid to normal saline without dextrose
 - D) Increase the IV infusion rate to 150 mL/hour to help lower the patient's blood glucose
- 22. Which of the following substances is known to cause "cherry-red" discoloration of the skin and mucous membranes in cases of acute poisoning?
 - A) Carbon monoxide
 - B) Cyanide
 - C) Lead
 - D) Arsenic
- 23. A patient in the Intensive Care Unit (ICU) presents with severe sepsis and requires vasopressor support. The physician orders norepinephrine to be administered. Which of the following statements about norepinephrine is correct?
 - A) Norepinephrine primarily stimulates beta-1 adrenergic receptors in the heart
 - B) Norepinephrine is a selective alpha-1 adrenergic agonist
 - C) Norepinephrine is contraindicated in patients with atrial fibrillation
 - D) Norepinephrine is a first-line vasopressor in the treatment of septic shock
- 24. A patient in the Intensive Care Unit (ICU) has been prescribed a continuous infusion of a vasopressor medication to maintain blood pressure. Which pharmacological properties are most crucial for the nurse to monitor and understand when administering this medication?
 - A) Half-life and elimination kinetics
 - B) Drug-drug interactions
 - C) Receptor affinity and specificity
 - D) Volume of distribution and protein binding

A -6-

- 25. A nurse is caring for a terminally ill patient. The patient expresses fear and anxiety about the future. Which therapeutic communication technique would be most appropriate?
 - A) Offering reassurance that everything will be fine
 - B) Avoiding the topic to prevent distress
 - C) Asking open-ended questions to explore feelings
 - D) Telling the patient to focus on the present, not the future
- 26. A patient with a history of Chronic Kidney Disease (CKD) is admitted to the hospital. The patient's serum potassium level is critically elevated. Which of the following interventions is most appropriate for managing hyperkalemia in this patient?
 - A) Administer IV calcium gluconate
 - B) Administer intravenous (IV) sodium bicarbonate
 - C) Administer oral potassium supplements
 - D) Administer a loop diuretic such as furosemide
- 27. In a surgical setting, which of the following actions represents a breach of aseptic technique during the intraoperative phase?
 - A) A surgeon accidentally touches the edge of the sterile surgical drape
 - B) A surgical technologist adjusts their mask without touching their face
 - C) A circulating nurse reaches across the sterile field with a sterile instrument
 - D) The anesthesia provider handles non-sterile equipment and then touches the patient's IV line with sterile gloves
- 28. Which of the following best describes the concept of "self-care" in holistic nursing?
 - A) It means nurses should prioritize their needs over the patient's
 - B) It emphasizes the importance of nurses caring for their own well-being
 - C) It suggests that nurses should not be involved in patient care
 - D) It focuses on providing care only for the physical aspect of a patient
- 29. In disaster management, what does the term "Triage" refer to
 - A) Providing psychological support to survivors
 - B) Sorting and prioritizing patients based on their medical needs
 - C) Establishing communication with emergency responders
 - D) Conducting search and rescue operations

30.	During CPR for an adult victim, what is the A) 1 inch (2.5 cm) C) 2 inches (5 cm)	B)	ommended compression depth ? 1.5 inches (4 cm) 2.5 inches (6.5 cm)
31.	When antibodies produced in one body are to against disease is known as A) Passive immunity C) Active immunity	B)	sferred to another to induce protection Herd immunity Humoral immunity
32.	One gram of protein yields A) 8 kcal C) 9 kcal	,	2 kcal 4 kcal
33.	Reconstituted BCG vaccine may be used A) Within 12 hours C) Within 3 hours	,	Within 10 hours Within 7 hours
34.	Dengue is transmitted by A) Anopheles Mosquito C) Aedes aegypti	,	Mansonoides Culex Mosquito
35.	Continuous scrutiny of the factors that de disease is called A) Quarantine C) Medical survey	B)	mine the occurrence and spread of Surveillance Investigation
36.	Deficiency of Niacin leads to a disease call A) Rickets C) Scurvy	B)	Pellagra Keratomalacia
37.	Occupational disease caused by inhalation A) Bagassosis C) Siderosis	B)	coal dust Byssinosis Anthracosis
38.	Deaths occurring from 28 days of life to une A) Post-neonatal deaths C) Neonatal mortality rate	B)	one year are called Infant mortality rate Perinatal mortality rate
39.	Unusual occurrence of disease in a commu A) Epidemic C) Sporadic	B)	/ Endemic Pandemic

40.	Population of a community health centre is		
	A) 80,000 to 1.00 lakh	B)	60,000 to 1.20 lakh
	C) 90,000 to 1.20 lakh	D)	80,000 to 1.20 lakh
41.	Cells that are involved in humoral immunity	/ is	
	A) Macrophages	B)	T Lymphocytes
	C) NK Cells	D)	B Lymphocytes
42.	ECG characteristic that would be suggestive	/e o	f atrial fibrillation is
	A) Pathologic Q waves	B)	Abnormal and bizarre QRS
	C) No discernible p waves	D)	Elevated ST segment
43.	Cause of hyperkalemia is		
	A) Metabolic acidosis	B)	Insulin therapy
	C) Metabolic alkalosis	D)	Vomiting
44.	Nursing intervention involved in compartme	ent	syndrome after fracture is
	A) Elevation of extremity	B)	Regular neurovascular assessment
	C) Application of cold	D)	Provision of tight bandage
45.	Which of the following is included in primar	y sı	urvey ?
	A) History and head to toe assessment	B)	Exposure
	C) Determine neurological disability	D)	Monitoring vital signs
46.	Insensitivity to pain is noted in		
	A) Superficial burns	B)	Deep partial thickness burns
	C) Superficial partial thickness burns	D)	Full thickness burns
47.	Cancer cells grown in tissue culture have no top of one another. This property is called a		gard for cell boundaries and grow on
	A) Lack of cell differentiation	B)	Loss of contact inhibition
	C) Lack of cell proliferation	D)	Lack of cell division
48.	Hearing loss that is caused by impacted ce	run	nen is
	A) Central hearing loss	B)	Conductive hearing loss
	C) Functional hearing loss	D)	Sensorineural hearing loss

49.	When patient localizes pain, motor respons A) 03	se score in GCS is B) 04		
	C) 05	D) 06		
50.	 Inability to focus on near objects due to less elastic lens that occurs with aging called as 			
	A) Presbyopia	B) Retinopathy		
	C) Astigmatism	D) Myopia		
51.	A woman strongly believes and says that a sher; and it is termed as	superstar from film industry is in love with		
	A) Grandeur's delusion	B) Ekbom syndrome		
	C) De Clerembault's syndrome	D) Ganser syndrome		
52.	A 12 year old boy has mental age of 8 year he belongs to ?	rs. In which type of mental retardation		
	A) Mild	B) Moderate		
	C) Severe	D) Profound		
53.	Formication is most commonly encountered	d in		
	A) Schizophrenia	B) Anxiety disorder		
	C) Epilepsy	D) Cocaine use		
54.	A client admitted with severe depression i daily, for the past 2 weeks. Which of the foone to monitor closely?	·		
	A) Appetite	B) Sleep		
	C) Suicidal ideation	D) Energy level		
	Highly disorganized thought process with b associated with	izarre behaviour and regressive acts are		
	A) Delirium	B) Hebephrenic schizophrenia		
	C) Simple schizophrenia	D) Catatonic schizophrenia		
56.	 Recurrent sexual urges and sexually grousing fantasy with touching and rubbing against a non consenting stranger is known as 			
	A) Fetishism	B) Frotteurism		
	C) Transvestic fetishism	D) Necrophilia		
57.	Catastrophic reaction is a specific clinical for	eature related to		
	A) Conversion disorder	B) Delirium		
	C) Dementia	D) Mania		

58.	Which of the following A) Paroxetine	g is the drug of choice B) Fluoxetine	for ADHD ? C) Roboxetine	D)	Atomoxetine
59.	Mini Mental status ex A) Normal cognition C) Moderate dement		is 23. What does it ir B) Mild dementia D) Severe dementia		ate?
60.	Which of the following A) Accepting	g is not a therapeutic of B) Advising		-	? Summarizing
61.	According to Weech's A) 12 kg	s formula, the expecte B) 14 kg	ed weight of a 5 year o C) 16 kg		child is 18 kg
62.	The isomerization of having a wave length A) 300 – 360 nm				chieved by light 430 – 490 nm
63.	One gram per decilitre by A) 1.5 mEq/L		nin in serum can decre C) 3.5 mEq/L		
64.	An autosomal recess pyogenic infection A) Nezel of syndrom C) Chediak Higashi s	e	erised by partial albir B) Job syndrome D) Wiskoh Aldrich sy		
65.	The fluid volume to b for an 8 year old child surface area burned in A) 1280 ml	d having a body weigh		/ith	
66.	The gestational age of A) 20 weeks	of a neonate with a ne B) 26 weeks	w Ballard score of 20 C) 32 weeks		38 weeks
67.	Substitution of glutam A) Sickle cell anaem C) Aplastic anaemia	•	sixth position in the b B) Thalassemia D) Haemophilia	eta	chain results in
68.	A shunting created be artery A) Blalock Tausig sh C) Norwood shunt	·	enacava and the side B) Glenn shunt D) Gore shunt	of p	oulmonary

69.	The dose of prednisolone for a child with hypertension and azotaemia is A) 2 mg/kg body weight C) 6 mg/kg body weight	B)	phrotic syndrome in the absence of 4 mg/kg body weight 8 mg/kg body weight
70.	The cognitive development stage of an 8-ye A) Pre-operational C) Concrete operational	B)	old child according to Jean Piaget is Formal operational Pre-conventional
71.	In foetal distress, the amniotic fluid become A) Golden colour C) Dark brown	B)	Meconium stained Yellow colour
72.	The drug which is not a tocolytic agent A) Verapamil C) Labetalol	,	Ritrodrine Atosiban
73.	The thinnest part of fallopian tube is A) Infundibulam C) Ambula	,	Isthmus Intramural
74.	Early amniocentesis has been carried out a A) 12 – 14 weeks of gestation C) 20 – 24 weeks of gestation	B)	5 – 10 weeks of gestation None of the above
75.	Most effective in detecting open neural tub A) Ultra sound C) Chorionic villus sampling	B)	efect in pregnancy MSAFB Cordocentesis
76.	When placenta completely covers the oper A) Placenta preavia C) Abruptio placenta	B)	of cervix Placenta accreta Placenta percreta
77.	Tetralogy of Fallot is characterized by the cA) Pulmonarystenosis C) Overriding aorta	B)	bination of defects except Ventricular septal defect Patent ductus arteriosis
78.	In assisted breech delivery principles in cor A) Never to rush B) Never pull from below C) Always keep feotus with back posterior D) Always keep feotus with back anteriorly	ly	ction include except

79.	In occult prolapse A) The cord is slipped down below the presenting part B) The cord is lying inside the vagina or outside the vulva C) The cord is placed by the side of the presenting part D) None of the above		
80.	Feotus acardiacus occurs in		
	A) Monozygotic twins	B) Dizygotic twins	
	C) Both monozygotic and dizygotic twins	D) None of the above	
81.	Formal set speeches and systematic way of topic by small group of experts is called	f presenting various aspects of particular	
	A) Lecture method	B) Panel discussion	
	C) Symposium	D) Group discussion	
82.	All the planned learning experiences which institution is termed as	act as a guide to conduct a course by an	
	A) Lesson plan	B) Unit plan	
	C) Curriculum	D) Programmed instruction	
83.	Integration of diverse philosophy in nursi flexible and dynamic is	ng education for making the education	
	A) Idealism	B) Naturalism	
	C) Pragmatism	D) Eclecticism	
84.	A three dimensional imitation of a real objetis known as	ect as audio visual aid used in education	
	A) Flash card	B) Flannel board	
	C) Model	D) Projector	
85.	The process of assisting student who show A) Remedial counselling B) Post traumatic stress disorder counsell C) Grief counselling D) Milieu counselling	·	

A -13-

86.	The finite number of real values within a give A) Ratio variable C) Continuous variable	B)	terval which is countable in nature is Discrete variable Interval variable		
87.	The written factual statement of relationship between variables is termed as				
	A) Objective	B)	Delimitation		
	C) Assumption	D)	Hypothesis		
88.	The research design best suited in the initial infectious disease is	al p	hase to study a newly emerging		
	A) Descriptive study design	B)	Correlational study design		
	C) Experimental study design	D)	Case-control study design		
89.	The element that represent the group of stu	udy	subjects is called as		
	A) Population	B)	Sample		
	C) Accessible population	D)	Universe		
90.	The measure of variability in a data set is				
	A) Standard deviation	B)	Mean		
	C) Central tendency	D)	Gaussian distribution		
91.	 The development of many admirable soft skills learn through life and work experience of persons over the course of their careers is 				
	A) Professionalism	B)	Bill of rights		
	C) Bio-ethics	D)	Altruism		
92.	A premium of Health Insurance is the				
	A) Payment of health plan makes for covered care				
	B) Payment of each month towards health plan				
	C) Payment for health care before health plan begins to pay				
	D) None of the above				
93.	. A method of comparing the explicit and implicit costs of taking an action versus				
	A) Cost benefit analysis	B)	Cost effective analysis		
	C) Cost utility analysis	D)	Cost analysis		

94.	Employees in an organization will be promote	d or	the basis of seniority is an example of
	A) Rules	B)	Procedures
	C) Policy	D)	Methods
95.	Rules, duties and responsibilities of employ	/ee	s are given in writing is in
	A) Formal organization	B)	Informal organization
	C) Strategic organization	D)	Matrix organization
96.	In an organization is the time that receiving the material in stores.	elap	oses issuing replenishment order and
	A) Replenishment time	B)	Lead time
	C) Idle time	D)	Over time
97.	The task of buying goods of the right qualit and at the right price is	y, ir	n the right quantities, at the right time
	A) Supplying	B)	Purchasing
	C) Scrutinizing	D)	Speculative buying
98.	A nurse administering wrong medication to	a p	patient is an example of
	A) Malpractice	B)	Battery
	C) Slander	D)	Libel
99.	What is the term used in management to and authority to the subordinates?	efe	r the process of giving responsibility
	A) Span of control	B)	Delegation
	C) Centralisation	D)	Deception
100.	The name of the institute that came into excommission in India	ciste	ence in 2015 to replace the planning
	A) NITI Aayog	B)	AYUSH
	C) NDHA	D)	ISM & H

Space for Rough Work

A -16-