

45/24

Question Booklet Sl. No.

Question Booklet Alpha Code

A

A

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

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A

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1. The most potent stimulus for medullary chemoreceptors is
 - A) ↓ 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 Myasthenia 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 transfer resulting in antibiotic resistance by
- A) Plasmid
B) Bacteriophage
C) Transposons
D) Insertion sequences
9. Anaerobic Culture Methods include all except
- A) Thioglycollate broth
B) GasPak
C) MacConkey Agar
D) Anaerobic Blood Agar
10. Sexually transmitted infections include all except
- A) Shigella dysentery
B) Gonorrhoea
C) Syphilis
D) Herpes simplex type 2
11. The defence mechanism in which channelling of an unacceptable desires, impulses and behaviours into socially accepted behaviours is called
- A) Repression
B) Regression
C) Sublimation
D) Suppression
12. Which of the following are perceptual disorders ?
- i. Delusion
ii. Illusion
iii. Hallucination
iv. Dementia
- A) Only ii and iii
B) Only i and iv
C) Only i and iii
D) All of the above i, ii, iii, iv
13. What is the theory which says “we feel sad because we cry and we are afraid because we tremble” ?
- A) Lazarus’ theory
B) Schachter and Singer’s theory
C) Cannon – Bard theory
D) James – Lange theory
14. What is a scale on which a pairs of opposite adjectives are presented called ?
- A) Visual analogue scale
B) Guttman scale
C) Semantic differential scale
D) Likert scale
15. Which of the following is the correct hierarchical order of Maslow’s hierarchy of needs theory ?
- i. Self-esteem needs
ii. Physiological needs
iii. Self-actualization needs
iv. Safety and security needs
v. Love, affection and belongingness needs
- A) i, ii, iii, iv and v
B) ii, iv, v, i and iii
C) ii, v, iv, i and iii
D) 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

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

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 of 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 compartment 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 primary survey ?
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 regard for cell boundaries and grow on top of one another. This property is called as
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 cerumen is
A) Central hearing loss
B) Conductive hearing loss
C) Functional hearing loss
D) Sensorineural hearing loss

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

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 presenting various aspects of particular topic by small group of experts is called
- A) Lecture method
 - B) Panel discussion
 - C) Symposium
 - D) Group discussion
82. All the planned learning experiences which act as a guide to conduct a course by an institution is termed as
- A) Lesson plan
 - B) Unit plan
 - C) Curriculum
 - D) Programmed instruction
83. Integration of diverse philosophy in nursing education for making the education flexible and dynamic is
- A) Idealism
 - B) Naturalism
 - C) Pragmatism
 - D) Eclecticism
84. A three dimensional imitation of a real object as audio visual aid used in education is known as
- A) Flash card
 - B) Flannel board
 - C) Model
 - D) Projector
85. The process of assisting student who shows maladaptive behaviour is
- A) Remedial counselling
 - B) Post traumatic stress disorder counselling
 - C) Grief counselling
 - D) Milieu counselling

94. Employees in an organization will be promoted on the basis of seniority is an example of
- A) Rules
B) Procedures
C) Policy
D) Methods
95. Rules, duties and responsibilities of employees 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 elapses issuing replenishment order and receiving the material in stores.
- A) Replenishment time
B) Lead time
C) Idle time
D) Over time
97. The task of buying goods of the right quality, in the right quantities, at the right time and at the right price is
- A) Supplying
B) Purchasing
C) Scrutinizing
D) Speculative buying
98. A nurse administering wrong medication to a patient is an example of
- A) Malpractice
B) Battery
C) Slander
D) Libel
99. What is the term used in management to refer the process of giving responsibility and authority to the subordinates ?
- A) Span of control
B) Delegation
C) Centralisation
D) Deception
100. The name of the institute that came into existence in 2015 to replace the planning commission in India
- A) NITI Aayog
B) AYUSH
C) NDHA
D) ISM & H
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Space for Rough Work

