

021/2021

Question Booklet
Alpha Code

A

Question Booklet
Serial Number

Total No. of Questions : 100

Maximum : 100 Marks

Time : 75 Minutes

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 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. Blank sheets of paper is attached to the question booklet. These 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.

021/2021-A



021/2021

Total Marks : 100 Marks

Time : 1 hour and 15 minutes

1. Which among the following drug cannot pass the blood brain barrier ?
(A) Atropine (B) Nor-adrenaline
(C) Tetracycline (D) Chloramphenicol

2. Which among the following statement is correct about lung ?
(A) Right lung has two lobes and one fissure.
(B) Left lung has three lobes and one fissure.
(C) Right lung has three lobes and one fissure.
(D) Right lung has three lobes and two fissures.

3. Function of gastrin is
(A) Inhibits gastric secretion & motility
(B) Stimulates gastric secretion and inhibits gastric motility
(C) Stimulates gastric secretion and motility
(D) Inhibits gastric secretion and stimulate gastric motility

4. Haase's rule is used for measuring
(A) Fetal length (B) Fetal weight
(C) Quantity of amniotic fluid (D) Fetal circulation

5. Which of the following statement is/are true about epiphyseal plate ?
(i) It is a hyaline cartilage.
(ii) It is found only in the epiphysis.
(iii) It is found between the diaphysis and epiphysis.
(iv) It is a dense bone.
(A) only (i) and (ii)
(B) only (ii) and (iii)
(C) only (i) and (iii)
(D) only (iii) and (iv)

6. 'Inoculation' is the method of transmission of disease in
- (A) Cholera
 - (B) Rabies
 - (C) Influenza
 - (D) Gonorrhoea
7. The antibody that provides natural passive immunity in new born is
- (A) IgA
 - (B) IgD
 - (C) IgG
 - (D) IgM
8. Which among the following is short curved, comma shaped bacteria ?
- (A) *Vibrio cholerae*
 - (B) *Staphylococcus aureus*
 - (C) *Streptococcus pyogenes*
 - (D) *Treponema pallidum*
9. Which among the following statement is "not true" as a guideline for specimen collection ?
- (A) The specimen should be collected in an aseptic manner.
 - (B) There should be no harm to patient during collection of specimen.
 - (C) Containers should be filled to the brim with fluid specimens.
 - (D) Make every effort to collect specimen before starting anti-microbial therapy.
10. Gas gangrene is caused by
- (A) *Clostridium botulinum*
 - (B) *Clostridium tetani*
 - (C) *Clostridium difficile*
 - (D) *Clostridium perfringens*

11. People seek public recognition, attention and power. This is an example of
(A) Personal motive (B) Social motive
(C) Unconscious motive (D) Stimulus motive
12. The inner state of mind caused by presence of two or more opposing desires, which make one indecisive is called
(A) Frustration (B) Conflict
(C) Stress (D) Emotion
13. Subsystem of personality that operates on pleasure principle and satisfaction of basic needs is
(A) Id (B) Ego
(C) Super ego (D) Typ A-personality
14. Among the following types of marriage, which one is not considered as polygamy ?
(A) Polygyny (B) Serial monogamy
(C) Polyandry (D) Group marriage
15. Which of the following is personality test ?
(A) Thematic Apperception Test (TAT)
(B) Stanford Binet Test
(C) Wechsler Scale
(D) Bhatia's Battery of Performance Test
16. A theatre nurse who was shouted by surgeon comes home and shows anger to her mother. The ego defense used here is
(A) Projection (B) Sublimation
(C) Displacement (D) Compensation
17. Method of Psychology in which individual analysis ones own feelings and thoughts they experience is termed as
(A) Observational method (B) Developmental method
(C) Introspective method (D) Case history method
18. Among the following, which one is not considered as free thinking ?
(A) Dreaming (B) Day dreaming
(C) Imagination (D) Reasoning
19. Imaginary perception is known as
(A) Hallucination (B) Illusion
(C) Paraesthesia (D) Hyperesthesia
20. Which type of memory is concerned with factual knowledge and abstraction ?
(A) Semantic memory (B) Episodic memory
(C) Flash bulb memory (D) Implicit memory

21. Disturbance in motor behaviour is a typical feature in
 (A) Paranoid schizophrenia (B) Disorganized schizophrenia
 (C) Catatonic schizophrenia (D) Residual schizophrenia
22. Which of the following is a Non-therapeutic Communication Technique ?
 (A) Sympathy (B) Humor
 (C) Voicing doubt (D) Using Silence
23. A form of thought involving pre-occupation with inner world, and lack of touch with reality is called
 (A) Illogical thinking (B) Autistic thinking
 (C) Creative thinking (D) Perseveration
24. Irrational fear of being away from familiar places is termed as
 (A) Acrophobia (B) Agoraphobia
 (C) Aerophobia (D) Claustrophobia
25. Non-stimulant drug with Nor-epinephrine reuptake inhibiting action, and used in treatment of ADHD is
 (A) Atomoxetine (B) Methyl phenidate
 (C) Dexamphetamine (D) Pimozide
26. Recurrent episodes of acute, severe anxiety, that lead to physical symptoms and feeling of impending doom is
 (A) Generalized Anxiety Disorder
 (B) Obsession Compulsive Disorder
 (C) Panic Disorder
 (D) Conversion Disorder
27. A boy who is very poor in his studies was not scolded by his father, when he secured a pass mark in his exam. This is an example of –
 (A) Positive reinforcement (B) Negative reinforcement
 (C) Flooding (D) Systematic desensitization
28. Which among the following is a hallucinogen, that is known as ‘Peace Pill’ ?
 (A) Lysergic acid diethylamide (B) Phencyclidine
 (C) Amphetamine (D) Heroin
29. Among the side effects of anti-depressants, which of the following is not an autonomic side effect ?
 (A) Dry mouth (B) Orthostatic hypotension
 (C) Mydriasis (D) Sedation
30. Mr. X developed features of depression after his divorce. Here divorce is considered as
 (A) Precipitating factor (B) Perpetuating factor
 (C) Predisposing factor (D) Personality factor

31. Which among these are freeze-sensitive vaccines ?
 (A) DPT, HepB, TT, HPV (B) BCG, OPV, MMR, JE
 (C) Hib, DPT, MR, OPV (D) HepB, TT, MMR, OPV
32. What is the proper order of the referral system ?
 (A) PHC – Subcenter – CHC – District hospital – Medical College Hospital
 (B) Subcenter – PHC – CHC – District hospital – Medical College Hospital
 (C) Subcenter – CHC – PHC – Medical College Hospital – District hospital
 (D) PHC – Subcenter – CHC – Medical College Hospital – District hospital
33. A baby whose birth weight is 3 kg; what is his required weight at the age of 4 years ?
 (A) 6 kg (B) 12 kg
 (C) 16 kg (D) None of these
34. Expand the full form of ICTC.
 (A) Inservice Continuation of Training and Counselling
 (B) Integrated Counselling and Testing Centers
 (C) Information Communication Teaching and Counselling
 (D) Integrated COVID Testing Centers
35. Among the following which is NOT a function of World Health Organization ?
 (A) Prevention and control of communicable diseases
 (B) Family health
 (C) Occupational health
 (D) Health statistics
36. Which Anti-Tuberculosis drug cause poor vision and difficulty in colour perception ?
 (A) Streptomycin (B) Ethambutol
 (C) Rifampicin (D) Pyrazinamide
37. The key indicator of maternal nutrition is/are
 (A) Maternal weight gain (B) Birth weight of the baby
 (C) (A) and (B) (D) None of these
38. How many doses of Vitamin A should be given to a child from 9 months of age up to 5 years ?
 (A) 10 doses (B) 8 doses
 (C) 3 doses (D) 9 doses
39. Wearing of mask during a pandemic is an example of which level of prevention ?
 (A) Primordial prevention (B) Primary prevention
 (C) Secondary prevention (D) Tertiary prevention
40. The basic measurement tools in epidemiology are listed below, except :
 (A) Averages (B) Rate
 (C) Ratios (D) Proportions

41. Phlebostatic axis is the point at inter-section of
- (A) Mid-axillary line and line drawn through fourth intercostal space
 - (B) Anterior axillary line and sixth intercostal space
 - (C) Posterior axillary line and fifth intercostal space
 - (D) Anterior axillary line and mid-clavicular line
42. Tall, tented or peaked T wave in ECG indicate
- (A) Hypernatremia
 - (B) Hyperkalemia
 - (C) Hyponatremia
 - (D) Hypokalemia
43. Name of the receptor on epidermis that transmit stimuli to the axon through a chemical synapse :
- (A) Langerhans' cells
 - (B) Merkel cells
 - (C) Woodzner cells
 - (D) Berger cells
44. V.A.C. in V.A.C. dressing stands for
- (A) Venous Applicant Cover
 - (B) Veno Arterial Control
 - (C) Vacuum Assisted Closure
 - (D) Vascular Area Coverage
45. Arterial Blood Gas values showing pH 7.3, PaCO₂ 56 mm Hg, Bicarbonate 24 mEq/L indicates
- (A) Uncompensated metabolic acidosis
 - (B) Uncompensated respiratory acidosis
 - (C) Compensate respiratory acidosis
 - (D) Compensated metabolic alkalosis
46. On physical examination, you were able to identify 'pulse deficit'. It indicates possibility of having
- (A) Left heart failure
 - (B) Myocardial Infarction
 - (C) Cardiac Dysrrhythmia
 - (D) Aortic Regurgitation
47. Administration of Mesna with a chemotherapy agent helps in
- (A) favouring the destruction of cancer cells
 - (B) protecting the cells
 - (C) preventing formation of uric cells
 - (D) increasing production of WBC

48. Your patient complains of dry mouth with swallowing difficulty. Which among the following drugs can produce these side effects ?
- (A) Dicyclomine (B) Pyrantel Pamoate
(C) Griseofulvin (D) Naloxone
49. Goniometer is used to assess
- (A) Intracapsular Pressure (B) Intra Ocular Pressure
(C) Range of motion (D) Muscle mass
50. Ankle Brahcial Index value < 0.9 indicate
- (A) Calcification of blood vessels
(B) Diminished blood flow
(C) Normal blood flow
(D) High output failure
51. Salem Sump tube is used for
- (A) Administration of medicated enema
(B) Stomach decompression
(C) Intraventricular drainage
(D) Intrapleural aspiration
52. Which among the following nursing diagnosis may be applied to an individual who is unable to seek or comprehend opportunities, options or alternatives because of distressed emotional and unmotivated state ?
- (A) Distractiveness
(B) Powerlessness
(C) Hopelessness
(D) Disturbed thought process
53. Name the enzyme assessed during Guaiac test :
- (A) Peroxidase (B) Aminotransferase
(C) Transamylase (D) Ferroxidase
54. Which of the following vitamin deficiency can produce cardiac and circulatory disturbances ?
- (A) Thiamine (B) Riboflavin
(C) Niacin (D) Pyridoxine

55. Patient care ergonomics is
- (A) Identification of ways to improve patient care, decrease length of stay and control costs of stay.
 - (B) Practice of designing equipment and work tasks to conform to the capability of the worker in relation to the patient care.
 - (C) The process of tracking the client's changing health status and progress towards achieving goals.
 - (D) The process of using standardised abbreviations, acronyms and symbols throughout the organisation.
56. The acronym 'URGE' summarises the symptoms and criteria for diagnosis of
- (A) Alzheimer's disease
 - (B) Restless leg syndrome
 - (C) Prostatic hypertrophy
 - (D) Parkinsonism
57. The ventrogluteal site for IM injection may involve the following :
- (A) Gluteus maximus and Gluteus minimus
 - (B) Gluteus maximus only
 - (C) Gluteus medius and Gluteus minimus
 - (D) Gluteus rectus and Gluteus minimus
58. While assessing Mr. X with Braden Scale, the score attained was 8 (eight) which indicate that the risk of developing pressure sore for Mr. X is
- (A) Mild
 - (B) Moderate
 - (C) High
 - (D) Very high
59. Which among the following can be an example of parasomnia ?
- (A) Sleep apnea
 - (B) Enuresis
 - (C) Narcolepsy
 - (D) Sleep latency
60. In fowlers position the head and trunk are elevated to
- (A) 15-30°
 - (B) 30-45°
 - (C) 45-60°
 - (D) 75-90°

61. Which of the following disease condition manifests as Koplik's spots in buccal mucosa ?
 (A) Measles (B) Chicken Pox
 (C) Hepatitis (D) Pertussis
62. What is the name of the opening that connects two atria of fetal heart ?
 (A) Ductus arteriosus (B) Ductus venosus
 (C) Foramen ovale (D) Ligamentum teres
63. Which of the following is the recommended volume of enema solution for a normal infant ?
 (A) 120 – 240 ml (B) 480 – 720 ml
 (C) 240 – 360 ml (D) 360 – 480 ml
64. The triad of symptoms in Tracheo Esophageal Fistula include all, except :
 (A) Cyanosis (B) Choking
 (C) Coughing (D) Cheilosis
65. Which of the following group is the target group of Weekly Iron and Folic Acid Supplementation Programme [WIFS] ?
 (A) Anganwadi going pre-schoolers (B) Working women
 (C) School going boys and girls (D) Migrant workers
66. What is the protein requirement/day for a child with severe burns ?
 (A) 6 grams/kg body weight + 4 grams/TBSA%
 (B) 5 grams/kg body weight + 3 grams/TBSA%
 (C) 4 grams/kg body weight + 2 grams/TBSA%
 (D) 3 grams/kg body weight + 1 gram/TBSA%
67. Which of the following statement about Infant Mortality Rate (IMR) is correct ?
 (A) $IMR = \frac{\text{Number of deaths of children under one year of age in a year}}{\text{Total of live births in the same year}} \times 1000$
 (B) $IMR = \frac{\text{Number of deaths of children under 2 years of age in a year}}{\text{Total of live births in the same year}} \times 1000$
 (C) $IMR = \frac{\text{Number of deaths of children under one year of age in a year}}{\text{Total of live births in the same year}} \times 100$
 (D) $IMR = \frac{\text{Number of deaths of children under one year of age in a year}}{\text{Total of live births in 5 years}} \times 1000$
68. In which of the following genetic condition, Karyotype 47, XXY is seen ?
 (A) Down's syndrome (B) Edward's syndrome
 (C) Klinefelter's syndrome (D) Patau's syndrome
69. What is the normal serum calcium concentration in human blood ?
 (A) 5.1 – 7.2 mg/dl (B) 8.5 – 10.5 mg/dl
 (C) 12.9 – 14.5 mg/dl (D) 3.8 – 6.8 mg/dl
70. Which of the following vaccine is not included in pentavalent vaccination ?
 (A) DTP (B) Varicella
 (C) Hib (D) Hepatitis-B

71. Which statement among the following is true as far as maturation of graffian follicle is concerned ?
- Maturation of graffian follicle is only influenced by FSH.
 - Maturaion is purely influenced by LH.
 - Maturation is influenced by both FSH and LH.
 - Maturation is influenced only by progesterone.
72. ICM stands for
- International Council of Midwives
 - International Confederation of Midwives
 - Indian Council of Midwives
 - Indian Community of Midwives
73. Which of the following statement true as far as human placental development is concerned ?
- Human placenta is developed from the endodermal layer.
 - Human placenta is developed from the mesodermal layer.
 - Human placenta is developed from the trophoblastic layer.
 - Human placenta is developed from the ectodermal layer.
74. Softening and compressibility of the isthmus is termed as
- Chadwick's sign
 - Osiander's sign
 - Palmer's sign
 - Hegar's sign
75. The first fetal movement felt by the pregnant mother is termed as
- Braxton Hick's contraction
 - Startling movement
 - Lightening
 - Quickening
76. CST stands for
- Continuous Stress Test
 - Common Standard Test
 - Contraction Stress Test
 - Contraction Standard Test
77. Uterine polarity is
- The neuromuscular disharmony between the two uterine segments throughout labour.
 - The neuro chemical disharmony between the two segments of the uterus throughout labour.
 - The neuro muscular harmony between the two uterine segment throughout labour.
 - The muscular disharmony between the two uterine segments during labour.
78. Normally the duration of second stage of labour in a primi mother varies from
- 20-30 minutes
 - 60-90 minutes
 - 15-20 minutes
 - 30-45 minutes
79. The number of deaths per thousand live births occurring in the first twelve months of life is known as
- Infant mortality rate
 - Maternal morbidity rate
 - Maternal mortality rate
 - Perinatal mortality rate
80. Which among the following is not true as far as partograph is concerned ?
- It increases the chance of prolonged labour.
 - It predicts any deviation from normal duration of labour very early.
 - Facilitates easy handing over between shift staff.
 - Helps in reducing maternal mortality and morbidity.

81. "By education I mean an all – round drawing out the best in child and man – body, mind and spirit." Who stated this ?
(A) Plato (B) John Dewey
(C) Mahatma Gandhi (D) Swami Vivekananda
82. Which among the following is an example of a three dimensional audio-visual aid ?
(A) Black board (B) Chart
(C) Flash cards (D) Model
83. Which of the following is an advantage of lecture method ?
(A) Passive students (B) Monotonous
(C) Large group of audience (D) Time consuming
84. What is Andragogy ?
(A) Child education (B) Adult education
(C) Computer assisted learning (D) Problem based learning
85. Which is the type of evaluation conducted at the end of the course ?
(A) Summative evaluation
(B) Formative evaluation
(C) Norm referenced evaluation
(D) Criterion referenced evaluation
86. Which of the following is a type of probability sampling ?
(A) Purposive sampling (B) Convenience sampling
(C) Systematic sampling (D) Quota sampling
87. Which is the variable that is manipulated by the researcher ?
(A) Dependent variable (B) Independent variable
(C) Control variable (D) Confounding variable
88. Statement of the predicted relationship between two or more variables
(A) Hypothesis (B) Assumption
(C) Concept (D) Construct
89. Which of the following is a measure of central tendency ?
(A) Standard deviation (B) Range
(C) Mean (D) Variance
90. Which of the following is a design of quantitative research ?
(A) Ethnography (B) Grounded theory
(C) Case study (D) Experimental

91. What is the nurse patient ratio in an Intensive Care Unit ?
(A) 1 : 1 (B) 1 : 3
(C) 1 : 5 (D) 1 : 6
92. Which type of budget describes day to day expenses of a unit ?
(A) Capital budget (B) Operating budget
(C) Revenue budget (D) Personnel budget
93. Assignment of authority to another person to carry out specific responsibilities is known as
(A) Delegation (B) Leadership
(C) Supervision (D) Motivation
94. In which leadership style the leader takes decisions without considering the opinions of followers ?
(A) Democratic (B) Laissez-faire
(C) Transactional (D) Autocratic
95. Which ethical principle gives direction regarding telling truth ?
(A) Fidelity (B) Veracity
(C) Confidentiality (D) Beneficence
96. Getting informed written consent from a preoperative patient comes under
(A) Justice (B) Confidentiality
(C) Legal responsibility (D) Fidelity
97. Which is the type of assignment in which the nurse provides complete care of assigned patients ?
(A) Functional method (B) Case method
(C) Team method (D) None of these
98. Which inventory control method is based on the cost of the item ?
(A) VED Analysis (B) FSN Analysis
(C) HML Analysis (D) SDE Analysis
99. Which of the following is a principle of management ?
(A) Supervision (B) Leadership
(C) Scalar chain (D) Communication
100. Who introduced 'The 14 Principles of Management' ?
(A) Elton Mayo (B) F.W. Taylor
(C) Max Weber (D) Henri Fayol

SPACE FOR ROUGH WORK

SPACE FOR ROUGH WORK