

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE ASKED TO DO SO.

JEMScN-2025

(Booklet Number)

Duration : 90 minutes

No. of MCQ : 100

Full Marks : 100

INSTRUCTIONS

1. All questions are of objective type having four answer options for each.
2. Each question carries 1 mark each and only one option is correct. In case of incorrect answer or any combination of more than one answer, $\frac{1}{4}$ marks will be deducted.
3. Questions must be answered on OMR sheet by darkening the appropriate bubble marked A, B, C, or D.
4. Use only **Black/Blue ink ball point pen** to mark the answer by filling up of the respective bubbles completely.
5. Write Question Booklet number and your roll number carefully in the specified locations of the OMR sheet. Also fill appropriate bubbles.
6. Write your name (in block letters), name of the examination center and put your signature (as it appeared in Admit Card) in appropriate boxes in the **OMR sheet**.
7. The OMR sheet is liable to become invalid if there is any mistake in filling the correct bubbles for Question Booklet number/roll number or if there is any discrepancy in the name/signature of the candidate, name of the examination center. The OMR sheet may also become invalid due to folding or putting stray marks on it or any damage to it. The consequence of such invalidation due to incorrect marking or careless handling by the candidate will be the sole responsibility of candidate.
8. Candidates are not allowed to carry any written or printed material, calculator, pen, docu-pen, log-table, wristwatch, graph paper, slide rule, any communication device like mobile phones, bluetooth device etc. inside the examination hall. Any candidate found with such prohibited items will be **reported against** and his/her candidature will be summarily cancelled.
9. Rough work must be done on the Question Booklet itself. Additional blank pages are given in the Question Booklet for rough work.
10. Hand over the OMR sheet to the invigilator before leaving the Examination Hall.
11. Candidates are allowed to take the Question Booklet after the examination is over.

Signature of the Candidate : _____
(as in Admit Card)

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SPACE FOR ROUGH WORK / রাফ কাজের জন্য জায়গা

(Carry 1 mark each. Only one option is correct. Negative mark: $-\frac{1}{4}$)

1. In Erikson's Psychosocial Theory, the stage 'Generativity vs Stagnation' occurs in
 - (A) Adolescence
 - (B) Early Childhood
 - (C) Middle Adulthood
 - (D) Late Adulthood
2. Cognitive distortions such as 'All or none thinking' are central to which Therapy?
 - (A) Psychoanalysis
 - (B) Gestalt Therapy
 - (C) Cognitive Behavioural Therapy
 - (D) Behavior Therapy
3. Which Therapy is based on the idea that clients restructure their thoughts through dialogue with the Therapist?
 - (A) Rational Emotive Therapy (RET)
 - (B) Psychoanalysis
 - (C) Gestalt Therapy
 - (D) Behaviour Therapy
4. The term 'tabula rasa' highlights the importance of _____ in shaping behavior.
 - (A) genes
 - (B) experience
 - (C) nature
 - (D) predestination
5. Type I error occurs when
 - (A) the null hypothesis is rejected but it should have been retained.
 - (B) accepting the null hypothesis when it should have been rejected.
 - (C) considering the alternate hypothesis as false when actually it was true.
 - (D) the obtained p-value is higher than 0.05.
6. Sum of all square of deviation from mean is called
 - (A) mean
 - (B) median
 - (C) variance
 - (D) standard error
7. Maturation threat is a threat to
 - (A) External Validity
 - (B) Internal Validity
 - (C) Facto Validity
 - (D) Content Validity
8. Gender, age-class, religion, type of disease and blood group are measured on
 - (A) Nominal scale of measurement.
 - (B) Ordinal scale of measurement.
 - (C) Interval scale of measurement.
 - (D) Ratio scale of measurement.

9. Trachea, the part of the respiratory tract after larynx extend from the lower border of the

(A) Thyroid Cartilage (B) Cricoid Cartilage
(C) Aretenoid Cartilage (D) Corniculate Cartilage

10. The Circle of Willis is formed by the branches of

(A) carotid artery and subclavian artery.
(B) basilar artery and internal carotid artery.
(C) basilar artery and external carotid artery.
(D) vertebral artery and external carotid artery.

11. The unpaired bone of the cranium is

(A) Parietal (B) Temporal
(C) Ethmoid (D) None of these

12. CSF flows in the four interconnected ventricles. A slender channel between third and fourth ventricles is called

(A) Aqueduct of Sylvius (B) Foramen of Monro
(C) Foramen of Lushcka (D) Cisterna Magna

13. Basic measure of population distribution is

(A) density (B) sex ratio
(C) birth rate (D) migration rate

14. Any deviant behavior in a disapproved direction of such a degree that it exceeds the tolerance limit of the community is called

(A) juvenile delinquency. (B) social problem.
(C) social disorganization. (D) white colour crime.

15. Groups which provide experience lacking intimacy—

(A) Secondary groups (B) Primary groups
(C) In-groups (D) Organized groups

16. Loyalty towards family and friend is a

(A) Law (B) Norm
(C) Custom (D) Value



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25. Acute Pancreatitis is manifested by elevation of
(A) Serum Bilirubin (B) Serum Amylase
(C) Serum Alkaline Phosphate (D) Serum Creatinine

26. Alpha Fetoprotein (AFP) is raised in case of
(A) Ca Prostate (B) Hepatocellular Carcinoma
(C) Ca Lung (D) Ca Colon

27. The most important tumor marker to diagnose Carcinoma of Ovary is
(A) Serum Human Chorionic Gonadotrophin
(B) CA 125
(C) Serum Alpha Fetoprotein
(D) Human Placental Lactogen

28. The following is not a cardiac bio-marker—
(A) Alkaline Phosphate (B) Creatinine Kinase
(C) Troponin (D) Myoglobin

29. Threatening a patient while not cooperating for the care is an example of
(A) Malpractice (B) Invasion of Privacy
(C) Battery (D) Assault

30. Power obtained because of identification with the leader symbolizes
(A) Referent Power (B) Charismatic Power
(C) Legitimate Power (D) Coercive Power

31. Assertive communication means
(A) aggressive responses.
(B) passive resistance.
(C) expressing thoughts clearly and respectfully.
(D) avoiding conflicts.

32. A type of bar chart that illustrates a project schedule is
(A) PERT Chart (B) GANTT Chart
(C) Total Quality Management Chart (D) Both (A) and (B)

33. Andragogy refers to

(A) Adult learning (B) Action learning
(C) Experimental learning (D) Child learning

34. Which Philosophical school believes that education should focus on whole child rather than content or teacher?

(A) Reconstructionist (B) Existentialist
(C) Progressivist (D) Naturalist

35. The purpose of incorporating evidence based practice in the nursing curriculum is to

(A) teach students about historical nursing practice.
(B) promote critical thinking and decision making skills.
(C) focus on personal experiences and opinions.
(D) emphasize theoretical concepts over practical application.

36. The main aim of microteaching is

(A) effective teaching. (B) developing specific teaching skills.
(C) seeking feedback. (D) teaching a small group of people.

37. Which bacterial toxin is responsible for the symptoms of botulism?

(A) Endotoxin (B) Exotoxin
(C) Lipopolysaccharide (D) Enterotoxin

38. A 45-year-old patient presents with a rapidly spreading necrotizing soft tissue infection. Culture reveals Streptococcus Pyogenes. Which virulence factor is most responsible for tissue destruction?

(A) M protein (B) Streptolysin O
(C) Streptokinase (D) Hyaluronidase

39. ELISA stands for

(A) Enzyme Linked Immune Special Assay
(B) Enzyme Linked Immune Special Analysis
(C) Enzyme Linked Immunity Stage Analysis
(D) Enzyme Linked Immuno Sorbent Assay

48. Most common cause of acute intestinal obstruction in newborn is
(A) Rectal atresia (B) Malrotation
(C) Duodenal atresia (D) Acute intussusception

49. IQ related genes have recently been found on which chromosome?
(A) Chromosome 21 (B) Chromosome X
(C) Chromosome 10 (D) Chromosome 18

50. A case of meningocele was posted for surgery. Till the patient is waiting for surgery, the covering of the sac will be protected by a gauze soaked in
(A) Normal saline (B) Tincture iodine
(C) Methylene blue (D) Mercurochrome

51. In Hodgkin's disease, the lymph nodes usually affected first are the
(A) Cervical (B) Mediastinal
(C) Axillary (D) Inguinal

52. The cranial nerve disorder responsible for causing Bell's Palsy is
(A) Vagus (B) Vestibulocochlear
(C) Trigeminal (D) Facial

53. The 3rd ventricle of brain is communicated with 4th ventricle by
(A) Central canal (B) Interventricular foramina
(C) Intervertebral foramina (D) Cerebral aqueduct

54. A client who is suspected of having pheochromocytoma, complains of sweating, palpitation and headache. Which assessment is essential for to make first?
(A) Pupillary reaction (B) Blood pressure
(C) Blood glucose (D) Hand grips

55. A client admitted in ICU and ABG analysis result shows as PH-7.25, paCO_2 -40mm Hg and HCO_3 -18. From which acid-base condition the client is suffering?
(A) Metabolic acidosis (B) Respiratory acidosis
(C) Metabolic alkalosis (D) Respiratory alkalosis

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64. Humoral immunity is associated with
(A) T-cell (B) B-cell
(C) Alpha cell (D) Gamma delta cell

65. The floating top of ice berg phenomena indicate
(A) Diagnosed cases (B) Clinical cases
(C) Hidden cases (D) Latent cases

66. Salk vaccine is a
(A) Live vaccine (B) Live attenuated vaccine
(C) Killed vaccine (D) Toxoid

67. In Cu-T 380 A, 380 represents
(A) no. of turns of copper wire. (B) surface area of Cu-T in sq.mm.
(C) surface area of copper in sq.mm. (D) effective life of Cu-T in quarters.

68. 'Old man face' is a future of
(A) Marasmus (B) Kwashiorkor
(C) Pellagra (D) Rickets

69. Measles is diluted in—
(A) Normal saline (B) Distilled water
(C) Buffer solution (D) Sodium sulfur

70. A total dose of vitamin A is given to a completely immunized child by 5 years of age:
(A) 17 Lac IU (B) 16 Lac IU
(C) 9 Lac IU (D) 5 Lac IU

71. What is the diameter of engagement in brow presentation?
(A) Mento vertical (B) Mento anterior
(C) Mento posterior (D) Mento oblique

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72. Fetal blood is returned to the umbilical arteries and the placenta through the
(A) Hypogastric arteries (B) Ductus venosus
(C) Ductus arteriosus (D) Foramen ovale

73. Pearl index is related to
(A) degree of contracted pelvis. (B) cervical scoring prior to induction.
(C) assessment of high risk pregnancy. (D) contraceptive effectiveness.

74. The following drugs cross the placental barrier to the fetus EXCEPT
(A) Warfarin (B) Heparin
(C) Digoxin (D) Aspirin

75. Muscle cut in mediolateral episiotomy are
(A) Levatorani only.
(B) Levatorani and transverse perineal muscles.
(C) Levatorani, transverse perineal muscles and bulbospongiosus.
(D) Levatorani and sphincter ani externus.

76. Longest anteroposterior diameter of the pelvic inlet is seen in
(A) Anthropoid pelvis (B) Android pelvis
(C) Platypelloid pelvis (D) Gynecoid pelvis

77. Commonest cause of transverse lie is
(A) Multiparity (B) Placenta previa
(C) Contracted pelvis (D) Congenital malformation of uterus

78. Fertilized ovum is embedded in the endometrium at about which day after fertilization?
(A) 2nd day (B) 4th day
(C) 6th day (D) 10th day

79. Conjoined Twins are more common in
(A) Monozygotic Twins (B) Dizygotic Twins
(C) Both (A) and (B) (D) None of these

80. Which of the following condition is associated with the highest Beta HCG level in pregnant women?

(A) Smoking (B) Partial hydatidiform mole
(C) Twin pregnancy (D) Complete hydatidiform mole

81. In Hildegard peplau's interpersonal relations model, the focus is on which of the following ?

(A) Individual (B) Community
(C) Larger society (D) Family

82. The nurse fails to assess a client in physical restraint according to the frequency stipulated in the hospital policy. The nurse behavior legally constitutes which of the following ?

(A) Negligence (B) Defamation
(C) False imprisonment (D) Breach of client privacy

83. The first stage of stress response is

(A) stage of alarm reaction. (B) stage of exhaustion.
(C) stage of resistance. (D) stage of flight.

84. The component of paradigm of nursing include

(A) person-health-environment-physician.
(B) health-theory-concept-physician.
(C) the person-health-environment-nursing.
(D) nurse-physician-health-concept.

85. The dysrhythmia most commonly seen during tracheal suctioning is

(A) Bradycardia (B) Tachycardia
(C) Premature ventricular beats (D) Heart block

86. Resonance is best described as

(A) sound created by air filled lungs. (B) short, high pitched and thudding.
(C) moderately loud with musical quality. (D) drum like.

87. Detention of well person who come in contact with infectious disease for a period equal to the longest incubation period of the disease

(A) Isolation (B) Quarantine
(C) Disinfection (D) Asepsis

88. What is the first line of defense in any immune response ?
(A) Anatomical, mechanical and chemical barriers
(B) B-and T-lymphocytes
(C) Antibodies
(D) Macrophages

89. The type of nursing care assignment best suited in an intensive care unit is
(A) Functional Method (B) Case Method
(C) Primary care Method (D) Team nursing

90. In a hospital there are 4 patients who requires attention from the nurse. Whom of the following should the nurse attend first ?
(A) 34 years old asthma patient asking ambulate
(B) 21 years old post-op patient complaining of pain
(C) 66 years old waiting to be discharged
(D) 66 years old with a pneumothorax complaining shortness of breath

91. Which among the following is not a short acting benzodiazepine ?
(A) Lorazepam (B) Diazepam
(C) Oxazepam (D) Alprax

92. Magical thinking, peculiar notions, ideas of reference, illusions and derealisation are part of which personality disorder ?
(A) Paranoid (B) Schizoid
(C) Schizotypal (D) Borderline

93. Symptoms of alcohol withdrawal include
(A) euphoria, hyperactivity and insomnia.
(B) depression suicide ideation and hypersomnia.
(C) diaphoresis, nausea, vomiting, tremors.
(D) unsteady gait, nystagmus, profound disorientation.

94. Identify the best technique to improve eye to eye contact in children with autism
(A) telling the child repeatedly to look at you.
(B) forcing the child to play with other children.
(C) seating the child before a mirror and looking at the image.
(D) instructing the child to make eye contact with others.

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