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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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JEMScN-2025 (2)

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(Carry 1 mark each. Only one option is correct. Negative mark: -¼)

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.

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- 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

- 17.** Which one is the Potassium sparing diuretics?
(A) Spironolactone (B) Frusemide
(C) Azosemide (D) Butemide
- 18.** What is the dose of Vitamin K for a baby with normal weight?
(A) 0.5mg (B) 1mg
(C) 1.5mg (D) 2mg
- 19.** Which of the following measure a nurse should undertake frequently when a patient is under GTN infusion?
(A) Monitoring B.P. (B) Monitoring CBG
(C) Monitoring respiration (D) Monitoring urine output
- 20.** Which is the most common adverse effect seen with use of Statin?
(A) Myalgia (B) GTT disturbances
(C) Hypoglycemia (D) Hypothyroidism
- 21.** Genetic counselling involves
(A) modifying individual's DNA.
(B) assessing individual's genetic risk and support required.
(C) cloning individual to prevent genetic disorders.
(D) conducting gene therapy.
- 22.** Which of the following disorders is typically inherited in an autosomal recessive manner?
(A) Huntington's Disease (B) Sickle Cell Disease
(C) Hemophilia (D) Marfan Syndrome
- 23.** Which blood group is associated with high incidence of gastric carcinoma?
(A) Blood group A (B) Blood group O
(C) Blood group B (D) Blood group AB
- 24.** Edward syndrome is associated with
(A) Trisomy 21 (B) Trisomy 18
(C) Trisomy 13 (D) Trisomy 20



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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

- 40.** Which skin test is useful for diagnosis of Hydatid Disease?
(A) Casoni Test (B) Dick Test
(C) Schick Test (D) Tuberculin Test
- 41.** Compression and ventilation ratio in newborn resuscitation is
(A) 5:1 (B) 1:5
(C) 3:1 (D) 1:3
- 42.** Which of the following is a closed neural tube defect?
(A) Myelomeningocele (B) Encephalocele
(C) Anencephaly (D) Sacral agenesis
- 43.** Newborn presents with deep pink/red coloration on one side of the body while opposite side remains pale or normal, this condition is known as
(A) Harlequin sign (B) Acrocynosis
(C) Flag sign (D) Icterus
- 44.** Primary purpose of phototherapy in newborns—
(A) To increase unconjugated bilirubin in the liver
(B) To prevent retinal damage
(C) To promote breastfeeding in the baby
(D) To convert unconjugated bilirubin into a water-soluble form for excretion
- 45.** The common genetic cause of liver disease in children is
(A) Haemochromatosis. (B) $\alpha 1$ antitrypsin deficiency.
(C) Cystic fibrosis. (D) Glycogen storage disease.
- 46.** Which of the following is the common causes of congenital hydrocephalus?
(A) Craniosynostosis
(B) Intra uterine meningitis
(C) Aqueductal stenosis
(D) Malformations of great vein of Galen
- 47.** What is the thelarche?
(A) Pubertal breast enlargement in boys
(B) Breast enlargement in pregnancy
(C) Hormone related breast enlargement in girls
(D) Post-hormonal therapy breast enlargement in post-menopausal females

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- 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, pCO_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

- 56.** Immediately following a rupture of cerebral aneurysm, patient commonly complains of—
(A) Explosive headache (B) Photophobia
(C) Epistaxis (D) Episodes of recurrent seizure
- 57.** Which of the following cardiac marker raised first in myocardial infarction?
(A) Ck-mb (B) Myoglobin
(C) Troponin (D) SGOT
- 58.** The earliest and commonest clinical features of primary biliary cirrhosis is
(A) Jaundice (B) Pain
(C) Pruritus (D) Fever
- 59.** The auscultatory area in the left midclavicular line at the level of the 5th ICS is the best location to hear sounds from which heart valve?
(A) Aortic (B) Mitral
(C) Tricuspid (D) Pulmonic
- 60.** P-wave in the ECG represents an impulse arising at the
(A) SA node and repolarizing the atria.
(B) SA node and depolarizing the atria.
(C) AV node and depolarizing the atria.
(D) AV node and spreading to the Bundle of His.
- 61.** Which is the best index for burden of disease?
(A) Case fatality rate (B) Disability Adjusted Life Years
(C) Dependency ratio (D) Morbidity rate
- 62.** Natural history of diseases is best studied by
(A) Cohort Study (B) Case-Control Study
(C) Cross-sectional Study (D) Ecological Study
- 63.** Vitamin B6 is given with isoniazid(INH)because it
(A) improves nutritional status of client.
(B) enhances tuberculotic effect on isoniazid.
(C) provides the vitamin when isoniazid is interfering with natural vitamin synthesis.
(D) accelerates destruction of remaining organism after inhibition of their reproduction by isoniazid.

- 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 feature 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

- 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.

- 95.** A patient in a deaddiction unit, demonstrates unintentional filling of gaps of memory with untrue and fanciful information. This is termed as
- (A) Amnesia (B) Hypermnesia
(C) Confabulation (D) Déjà vu
- 96.** One patient admitted in the psychiatric ward with diagnosis of schizophrenia. Which of the following behavior therapy can be provided to this patient on operant conditioning?
- (A) Token economy (B) Systematic desensitization
(C) Flooding (D) Aversion therapy
- 97.** A patient with a diagnosis of paranoid schizophrenia comments to the nurse, “how do I know what is really in those pills” ? Which of the following is the best responses ?
- (A) Say, “ You know it’s your medicine”.
(B) Allow him or her to open the individual wrappers of the medication.
(C) Say, “don’t worry about what is in the pills. It’s what is ordered”.
(D) Ignore the comment because it is probably joke.
- 98.** One elderly patient diagnosed with Alzheimer’s disease. She becomes agitated and combative when nurse approaches to help him for morning care. The most appropriate nursing intervention in this situation to
- (A) tell the patient firmly that it is time for morning care.
(B) obtain assistance to restrain the patient for safety.
(C) remain calm and talk quietly to the patient.
(D) call the doctor and request order for sedation.
- 99.** Which of the following is a typical characteristic features observed in a patient with dissociative fugue syndrome ?
- (A) Wandering away from home (B) Irreversible amnesia
(C) Loss of identity (D) Feeling away from world
- 100.** Which of the following clinical condition is best evidenced by features of global impairment of intellect, memory and personality without impairment of consciousness?
- (A) Amnesia (B) Dementia
(C) Delirium (D) Parkinson’s disease
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