



Duration: 90 minutes

No of MCQ: 100

Full Marks: 100

### INSTRUCTIONS

1. All questions are of objective type having four answer options for each, carry 1 mark each and only one option is correct. In case of incorrect answer or any combination of more than one answer,  $\frac{1}{4}$  mark will be deducted.
2. Questions must be answered on OMR sheet by darkening the appropriate bubble marked A, B, C, or D. Question booklet series code (A, B, C, or D) must be properly marked on the OMR.
3. Use only **Black/Blue ball point pen** to mark the answer by complete filling up of the respective bubbles.
4. Write question booklet number and your roll number carefully in the specified locations of the **OMR**. Also fill appropriate bubbles.
5. Write your name (in block letter), name of the examination center and put your full signature in appropriate boxes in the OMR.
6. The OMR 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 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 sole responsibility of candidate.
7. Candidates are not allowed to carry any written or printed material, calculator, pen, log table, wristwatch, any communication device like mobile phones etc. inside the examination hall. Any candidate found with such items will be **reported against** and his/her candidature will be summarily cancelled.
8. Rough work must be done on the question paper itself. Additional blank pages are given in the question paper for rough work.
9. Hand over the OMR to the invigilator before leaving the Examination Hall.



**JEMScN-2022**  
**SPACE FOR ROUGH WORK**



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

PART-A

1. A person seeing a design on the wallpaper perceives it as an animal. This is an example of :  
(A) A delusion (B) An illusion  
(C) A hallucination (D) An idea of reference
2. Social change refers to change in :  
(A) Dress (B) Food habits  
(C) Value system (D) Habitation pattern
3. The degree of flatness or peakedness of a graph of a frequency distribution is termed as :  
(A) Standard deviation (B) Kurtosis  
(C) Skewness (D) Mode
4. "Socio- drama" is all, except :  
(A) Simulation method (B) Group method  
(C) Social play method (D) Field trip method
5. Which one of the followings is called an alteration in genetic material ?  
(A) Genotype (B) Genology (C) Mutation (D) Sterilization
6. Which of the following statement is not true about Sociometry ?  
(A) Sociometry is based on the fact that people make choices in interpersonal relationship.  
(B) Sociometry is a methodology for tracking the energy vectors of interpersonal relationship in a group.  
(C) Sociometry is the non-mathematical study of psychological properties of peers.  
(D) Sociometry is a powerful tool for reducing conflict and improving communication among peers.
7. Co-efficient of stability is found out to :  
(A) Test reliability (B) Content validity  
(C) Concurrent validity (D) Construct validity



8. Bleeding from a posterior gastric ulcer arises from which vessel ?  
(A) Left Gastro-Omental artery (B) Splenic artery  
(C) Right Gastro-Omental artery (D) Inferior Pancreaticoduodenal artery
9. The device an investigator employs to collect data is called :  
(A) Sample (B) Instrument (C) Hypothesis (D) Concept
10. Field trip can be made different from a usual picnic by :  
(A) Proper planning and arrangement  
(B) Assigning defined responsibilities to group members  
(C) Seeking prior permission  
(D) Defined educational objectives
11. The teaching technique that has the ability to connect with the audience at an emotional level is :  
(A) Role Play (B) Demonstration  
(C) Seminar (D) Panel Discussion
12. Which method is the placement of a series of variable in ascending or descending order ?  
(A) Ranking (B) Rating  
(C) Q-sort (D) None of these
13. Which of the following is not true about a Pure Experimental Research ?  
(A) There is a control group  
(B) There is an experimental group  
(C) Selection of subjects in the control group is randomized  
(D) There is a careful selection of subjects in the experimental group
14. Prolong lithium therapy can cause :  
(A) Diabetes Mellitus (B) Parkinsonism  
(C) Chronic Kidney disease (D) Gout
15. Blood supply during exercise does not decrease in :  
(A) Cutaneous circulation (B) Hepatosplanchnic circulation  
(C) Renal circulation (D) Coronary circulation



16. Marriage is :
- (A) Important and universal social institution of society.
  - (B) Helpful in strengthening the caste system.
  - (C) Important basis of group formation.
  - (D) Helpful in calming down the anger of two conflicting groups.
17. Lymphatics are found in :
- (A) Brain
  - (B) Choroid
  - (C) Spinal cord
  - (D) Dermis of skin
18. The process of healing of tissues involves all of the following steps, except :
- (A) Coagulation and haemostasis
  - (B) Inflammation
  - (C) Non-proliferation
  - (D) Wound remodelling and scar formation
19. Which blood cells are produced antibodies in our body ?
- (A) B-lymphocytes
  - (B) T-lymphocytes
  - (C) Monocytes
  - (D) RBCs
20. "DIORAMA" refers to :
- (A) 3-D arranged of object of a concept
  - (B) 2-D arranged of object of a concept
  - (C) Role play on a problem
  - (D) Molded image of any objects
21. The nurse is administering intravenous chemotherapeutic drugs to a patient. Which assessment would require the nurse's immediate action ?
- (A) Stomatitis lesion in the mouth
  - (B) Severe nausea and vomiting
  - (C) Complaints of pain at site of infusion
  - (D) A rash on the patient's extremities
22. Which theory was proposed by Karl Marx ?
- (A) Fascism
  - (B) Communism
  - (C) Socialism
  - (D) Behaviourism
23. A common data collecting instrument in nursing research is :
- (A) Interview
  - (B) Questionnaire
  - (C) Critical incident
  - (D) All of these



24. Patient attachment to nurse other than therapeutic relationship :
- (A) Respect (B) Love  
(C) Belongingness (D) Boundary violation
25. "Delusion" refers to :
- (A) Thoughts or beliefs that have no basis in reality  
(B) Feelings that have no basis in reality  
(C) Behaviour that has no basis in reality  
(D) None of these
26. What type of counselling is applicable for a student who is not co-operate her peer ?
- (A) Developmental counselling (B) Facilitating counselling  
(C) Preventive counselling (D) Crisis counselling
27. Unidirectional flow of nerve impulse is at :
- (A) Synapse (B) Axon  
(C) Dendrite (D) All of these
28. By which process glucose that is taken by a bacterial cell is made to stay within the cell ?
- (A) Attaching to membrane (B) Immediate utilization  
(C) Phosphorylation (D) Conversion to fructose
29. About 40% of hospital acquired infection occurs in which tract ?
- (A) Urinary tract (B) Respiratory tract  
(C) Gastrointestinal tract (D) None of these
30. Which of the following communicate the results of the research to the readers ? They facilitate the description of the data
- (A) Hypothesis. (B) Statistics  
(C) Research Problem (D) Tables & Graphs
31. The cephalic phase of gastric secretion is mediated mainly by :
- (A) Neurohormones of the hypothalamus  
(B) Parasympathetic nerves  
(C) Sympathetic efferent nerves  
(D) Chemical agents
32. Which organism commonly causes bacillary dysentery ?
- (A) Klebsiella (B) E.coli (C) Vibrio cholerae (D) Shigella



33. Which of the following is not an intentional tort ?  
(A) Battery (B) Assault  
(C) Negligence (D) False imprisonment
34. The pattern of pressure which a society exerts to maintain order and establish rules is known as :  
(A) Social approval (B) Group  
(C) Public opinion (D) Social control
35. Which of the following is a characteristic of a sample ?  
(A) The sample must be consistent with the problem to be studied.  
(B) The characteristic to be studied must be represented in the sample.  
(C) The sample must be representative of the total population of the group to be studied.  
(D) All of these
36. Angiotensin II plays a key role in the following risk factors for Ischaemic Heart Disease :  
(A) Hypercholesterolemia (B) Ventricular hypertrophy  
(C) Cardiac arrhythmia (D) Carbohydrate intolerance
37. Validity of a tool measured :  
(A) Measures what is supposed to be measured  
(B) Measures consistently  
(C) Is feasible & applicable  
(D) Is standardized
38. Probability samples are :  
(A) Simple random sample & systematic sample  
(B) Purposive & convenience sample  
(C) Quota sampling & convenience sample  
(D) Intervening sample & parametric samples
39. Which of the following is not a 'type' of family ?  
(A) Joint Family (B) Nuclear Family  
(C) Patriarchal family (D) Extended Family
40. Through which of the following methods, desirable channels are provided for the release of emotional energy ?  
(A) Inhibition (B) Sublimation (C) Catharsis (D) Repression



41. The protein substance developed by the body in response to an interacting specific antigen is :
- (A) Antigen (B) Antibody  
(C) Immunity (D) Infection
42. Blood flow through the coronary arteries primarily occurs during:
- (A) Inspiration (B) Expiration  
(C) Systole (D) Diastole
43. The NUHM will focus on :
- (A) Total population of the urban area  
(B) Urban slum dwellers  
(C) Pregnant women of the urban area  
(D) Children <6 years of age of the urban area
44. Infective endocarditis is characterized by all the following except :
- (A) Chorea (B) Janeway lesions  
(C) Osler nodes (D) Roth spots
45. To further assess a client's suicidal potential nurse should be especially alert to the client expression of :
- (A) Frustration & fear of death (B) Anger & resentment  
(C) Anxiety & loneliness (D) Helplessness & hopelessness
46. In rural area the administrative unit of an ICDS project is :
- (A) Block development office (B) Community development block  
(C) Gram panchayat (D) District health office
47. The nurse understands that the patient diagnosed with pulmonary embolism will be treated first by :
- (A) Streptokinase (B) Tissue plasminogen activator  
(C) IV Heparin sodium (D) Sodium warfarin
48. Brain neurotransmitter serotonin (5-HT) is produced from :
- (A) Raphe Nuclei (B) Substantia nigra  
(C) Locus ceruleus (D) Amygdala





49. A head injured patient, who opens eyes to painful stimulus, is confused and localizes pain. What is his Glasgow Coma Scale ?  
(A) 7 (B) 9 (C) 11 (D) 12
50. The nurse considers a client's response to crisis intervention successful if the client :  
(A) Develops insight into reasons why the crisis occurred.  
(B) Returns to his previous level of functioning.  
(C) Changes coping skills and behavioural patterns.  
(D) Learns to relate better to others.
51. Infant of 4-months to 5 months of age reaches for objects with :  
(A) Unidextrous approach (B) Bidextrous approach  
(C) Immature pincer grasp (D) Intermediate pincer grasp
52. Which can minimize agitation in a disturbed client ?  
(A) Limiting unnecessary interactions with the client  
(B) Increasing environmental sensory stimulation  
(C) Discussing the reasons for suspicious beliefs  
(D) Ensuring constant staff contact
53. A newly diagnosed patient of tuberculosis (category I) will receive anti-tubercular drugs. During the phase which of the following drugs is UNLIKELY given to the patient ?  
(A) Rifampicin (B) Isoniazid (C) Ethambutal (D) Pyridoxine
54. A blocked tracheostomy is best recognized by which of the following ?  
(A) Observing desaturation on the Oxygen saturation monitor  
(B) Being unable to feel air being exhaled through the tracheostomy tube  
(C) Hearing abnormal sounds coming from the client  
(D) The inability to pass the suction catheter to the correct depth.
55. Following all are the health care delivery indicators, except :  
(A) Doctor-nurse ratio  
(B) Population per sub centre  
(C) Socio-economic standard of population  
(D) Population bed ratio



56. The following condition is aggravated by the use of combined oral contraceptives :
- (A) Hirsutism (B) Endometriosis  
(C) Premenstrual tension (D) Cervical ectopy
57. Limbic system includes all the following structures, except :
- (A) Amygdala (B) Hippocampal gyri  
(C) Anterior cingulated gyrus (D) Basal ganglia
58. Using IMNCI guidelines what is the best management of a child with severe pneumonia ?
- (A) Prescribe antibiotics  
(B) Refer urgently to the hospital  
(C) Instruct mother to continue breast feeding  
(D) Instruct the mother to increase fluid intake
59. For a three month old infant who has just undergone cleft lip repair, which intervention should be avoided ?
- (A) Apply elbow restraint when the infant is unattended  
(B) Offer a pacifier when the infant is fussing  
(C) Avoid placing the infant in the prone position  
(D) Clean the suture line after feeding the infant
60. The vaccine vial once opened can be kept for subsequent immunization session upto :
- (A) 10 days (B) 28 days (C) 20 days (D) 45 days
61. One of the risk factors for early onset sepsis in neonate is :
- (A) Chorioamnionitis  
(B) Hospital stays for long time  
(C) Lack of breast feeding  
(D) Lack of aseptic techniques followed by care giver
62. Wernicke's encephalopathy is attributed to :
- (A) Severe riboflavin deficiency  
(B) Excessive blood alcohol content  
(C) Severe thiamine deficiency  
(D) Excessive GGT level



63. The pattern of disease in a community described in term of the important factors influencing the specific disease pattern is known as :
- (A) Community medicine (B) Social medicine  
(C) Community diagnosis (D) Community treatment
64. The school health committee of India recommended periodical medical examination of school children :
- (A) At the time of admission there after every 4 yrs  
(B) At the time of admission there after every yearly  
(C) As and when required  
(D) After initial examination every 5 yrs interval
65. Pincer grasp developed at the age of :
- (A) 5-6 months (B) 7- 8 months  
(C) 9 -10 months (D) 11-12 months
66. Which of the following is the intervention for foreign body aspiration?
- (A) Heimlich manoeuvre (B) Head tilt-chin lift manoeuvre  
(C) Jaw thrust technique (D) Ortalani manoeuvre
67. All of the following are present in tetralogy of Fallot, except :
- (A) Pulmonary stenosis (B) PDA  
(C) Right ventricular hypertrophy (D) Overriding of aorta
68. Which one is the first antibody to contact invading micro-organism ?
- (A) IgG (B) IgA (C) IgM (D) IgD
69. Which is the basic characteristics of a primary group ?
- (A) Impersonal relationship (B) Indirect relationship  
(C) Intimate face-to-face association (D) Temporary association
70. Passive acquired immunity is obtained by :
- (A) Exposure to a disease.  
(B) Immunization with vaccine.  
(C) Recovering from a disease.  
(D) Giving an antitoxin or antiserum.



71. Intrauterine infection of Rubella caused the following defects in baby, except :
- (A) Imperforated anus (B) Congenital heart disease  
(C) Sensory neural deafness (D) Cataract
72. Who is the father of modern microbiology ?
- (A) Louis Pasteur (B) Robert Koch  
(C) Antony Von Leeuwenhoek (D) Landsteiner
73. Most appropriate contraceptive during first 6 months of lactating period is :
- (A) OCP (B) IUCD  
(C) Rhythm method (D) Pressary
74. The presence of lutein cysts in vesicular mole is due to excess :
- (A) FSH (B) LH (C) Estrogen (D) HCG
75. A mental disorder characterized by stereotype speech is :
- (A) Mannerism (B) Cataplexy (C) Verbigeration (D) Negativism
76. Mr. A experiencing alcohol withdrawal exhibits tremors, diaphoresis and hyperactivity. Blood pressure is 190/87 mm hg and pulse is 92 b /pm. Which of the medications would the nurse expect to administer ?
- (A) Naloxone (Narcan) (B) Benzlropine (Cogentin)  
(C) Lorazepam (Ativan) (D) Haloperidol (Haldol)
77. A neuromuscular blocking agent is administered to a client before ECT. The Nurse should carefully observe the client for.
- (A) Nausea and vomiting (B) Respiratory difficulties  
(C) Dizziness (D) Seizures
78. Ejection of breast milk occurs in which of the following phase ?
- (A) Mammogenesis (B) Lactogenesis  
(C) Galactokinesis (D) Galactopoiesis
79. Steroid hormones of placenta are produced by :
- (A) Hoffbauer's cells (B) Syncitial trophoblast  
(C) Cytotrophoblast (D) All of these



80. Which position should be given to an infant with tet spells ?  
(A) Fowler's position (B) Prone position  
(C) Squatting position (D) Knee chest position
81. The mortality indicators include all, except :  
(A) Notification rates (B) Age- specific death rates  
(C) Expectation of life (D) Years of potential life lost
82. An infection that is not present for a client on admission to a hospital but develops in due course of hospitalization :  
(A) Nosocomial infection (B) Exogenous infection  
(C) Endogenous infection (D) Iatrogenic infection
83. To test the pregnancy a morning sample of urine is the best, because :  
(A) Human Chorionic Gonadotropin is usually at its highest level early in the morning.  
(B) Human Chorionic Gonadotropin is usually at its lowest level early in the morning.  
(C) Oxytocin is usually at its highest level early in the morning.  
(D) Oxytocin is usually at its lowest level early in the morning.
84. Which of the following is spared in a subtotal hysterectomy but not in a total hysterectomy ?  
(A) Cervix (B) Uterus (C) Ovaries (D) Adnexae
85. What is the best nursing strategy to implement with an immobilized patient to avoid joint contractures ?  
(A) Ambulation (B) Physical therapy  
(C) Continuous passive motion (D) Range of joint motion
86. After a thoracentesis, observe the client for :  
(A) Periods of confusion (B) Expectoration of blood  
(C) Increased breath sounds (D) Decreased respiratory rate



87. The best method of management of molar pregnancy of uterine size 20 weeks in a woman aged 20 :
- (A) Suction evacuation with or without oxytocin infusion
  - (B) Dilatation and evacuation
  - (C) Hysterotomy
  - (D) Episiotomy
88. The gastroduodenal artery is derived from :
- (A) Celiac artery
  - (B) Common Hepatic artery
  - (C) Splenic artery
  - (D) Cystic artery
89. A substance present in breast milk that protects the baby from enteric infections is :
- (A) T lymphocytes
  - (B) Para-amino benzoic acid
  - (C) Lysozyme
  - (D) Lactoferrin
90. IUCD can be used after an unprotected sex as emergency contraception :
- (A) within 5 days
  - (B) within 7 days
  - (C) within 10 days
  - (D) within 15 days
91. Community health Nurse should refer an expectant mother to a FRU if the fetal heart rate is :
- (A) 120 – 160 / minutes
  - (B) 130 – 140 / minutes
  - (C) <120 or >160 / minutes
  - (D) 120 – 150 / minutes
92. The nurse explains to a mental health care technician that a client's obsessive compulsive behaviours are related to unconscious conflict between id impulses and the superego (or conscience). On which of the following theories does the nurse base this statement ?
- (A) Interpersonal theory
  - (B) Cognitive theory
  - (C) Behavioural theory
  - (D) Psychoanalytic theory
93. What nursing action would be most effective in changing the behaviour of a child diagnosed with Attention Deficit Hyperactivity Disorder (ADHA) ?
- (A) Reward appropriate behaviour
  - (B) Sedate the child for acting out
  - (C) Use aggressive punishment to control undesired behaviour
  - (D) Use lengthy time out session



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94. A patient perceives that his face is distorted, and his hand is becoming long. The term used to explain this condition is :
- (A) Deja vu (B) Depersonalization  
(C) Derealization (D) Jamais vu
95. Which of the following etiological factors is responsible for the occurrence of leukoplakia in oral cavity ?
- (A) Malnutrition (B) Smoking and chewing tobacco  
(C) Broken teeth (D) All of these
96. If weight for height is 2 standard deviations below from median weight for height, is termed as :
- (A) Stunting (B) Undernutrition  
(C) Malnutrition (D) Wasting
97. Demography gap refers to difference between :
- (A) Birth and death rate (B) Child to women ratio  
(C) Two census count (D) Male and female ratio
98. Which of the following cells is involved in cell mediated immunity ?
- (A) T Lymphocyte (B) Mast cell  
(C) B Lymphocyte (D) Thrombocytes
99. The term used to describe elevated blood pressure without an identified cause that accounts for 90% of all causes of hypertension is :
- (A) Primary hypertension (B) Secondary hypertension  
(C) Malignant hypertension (D) Isolated systolic hypertension
100. A patient has admitted with a diagnosis of bleeding gastric ulcer. The patient's stool to be :
- (A) Coffee ground like (B) Clay coloured  
(C) Black and tarry (D) Bright red



SPACE FOR ROUGH WORK

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