



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 letter), name of the examination center and put your signature (as is 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 sole responsibility of candidate.
8. Candidates are not allowed to carry any written or printed material, calculator, pen, docu-pen, log-table, wristwatch, any communication device like mobile phones, bluetooth devices 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 examination is over.

Signature of the Candidate : \_\_\_\_\_  
(as in Admit Card)

Signature of the Invigilator : \_\_\_\_\_

JEPBN-2024 

SPACE FOR ROUGH WORK



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

1. During normal breathing, the amount of air that moves into the lungs and comes out is called :  
(A) IRV (Inspiratory Reserve Volume) (B) Residual Volume  
(C) Expiratory Reserve Volume (D) Tidal Volume
2. The end product in the process of blood coagulation is :  
(A) Fibrin (B) Thrombin  
(C) Thromboplastin (D) Prothrombin
3. Renin is a hormone secreted by the :  
(A) Pancreas (B) Kidney (C) Liver (D) Ovary
4. All of the following hormones are secreted by Anterior Pituitary; Except :  
(A) Growth hormone (B) Oxytocin  
(C) Prolactin (D) Gonadotropin
5. Broca's area is located in which lobe ?  
(A) Parietal (B) Frontal (C) Temporal (D) Occipital
6. CSF is secreted by  
(A) Hypothalamus (B) Pineal body  
(C) Choroid plexuses (D) Medulla Oblongata
7. Hematocrit value is the ratio of  
(A) WBC to Plasma (B) Platelets to Plasma  
(C) RBCs to Plasma (D) Total blood cells to Plasma
8. Which of the following hormone helps in the secretion of HCl from stomach ?  
(A) Gastrin (B) Secretin (C) Pepsin (D) Renin



9. Which part of the human brain is primarily responsible for regulating heart rate, blood pressure & respiration ?  
(A) Cerebrum (B) Cerebellum  
(C) Brain stem (D) Hippocampus
10. Which of the following terms describe the body's ability to maintain its normal state ?  
(A) Anabolism (B) Catabolism  
(C) Tolerance (D) Homeostasis
11. In triage, yellow colour indicates –  
(A) Emergency (B) Urgent (C) Non urgent (D) Dead
12. The nurse asked the client to read the Snellen Chart. Which of the nerve function is tested ?  
(A) Optic (B) Olfactory (C) Oculomotor (D) Trochlear
13. Which of the following is a plasma volume expander ?  
(A) Normal saline (B) Haemaccel  
(C) Ringer lactate (D) Dextrose normal saline
14. Final stage of grief is –  
(A) Bargaining (B) Denial (C) Acceptance (D) Depression
15. Solution with higher osmotic pressure that pulls fluid from cell is :  
(A) Isotonic (B) Hypotonic (C) Hypertonic (D) Oncotic
16. Crackling sounds bilaterally at the bases of lungs is referred to as –  
(A) Rhonchi (B) Wheezing  
(C) Rales (D) Pleural rub





17. Positive Babinski sign is –  
(A) Abnormal for adults (B) Abnormal for children  
(C) Abnormal for all ages groups (D) Abnormal for neonates
18. What information does Anecdotal record contains ?  
(A) Record of some observation about a person  
(B) Record of number of patients in the ward  
(C) Record of death  
(D) Making statements of Judgement
19. What can be assessed by Romberg test ?  
(A) Hearing ability of a person (B) Visual acuity of a person  
(C) Balance of a person (D) Joint movements of a person
20. Client had positive trousseau sign, which electrolyte imbalance can be expected ?  
(A) Potassium (B) Calcium  
(C) Sodium (D) Magnesium
21. Goodell sign indicated  
(A) Bluish discoloration of the vaginal wall  
(B) Regular rhythmic uterine contraction  
(C) Softening of the cervix  
(D) Enlargement of the uterus
22. Fundus of the pregnant uterus is palpable at 40 weeks of gestation  
(A) At the level of 32 weeks (B) At the level of Xiphisternum  
(C) At the level of umbilicus (D) At the level of symphysis pubis
23. Which type of pregnancy sign in quickening ?  
(A) Probable sign (B) Presumptive sign  
(C) Positive sign (D) Directional sign



24. The single most important hormone for maintenance of effective & continuous lactation –  
(A) Oxytocin (B) Estrogen  
(C) Prolactin (D) Progesterone
25. The dose of Anti D immunoglobulin for a Rh Negative mother after the birth of the baby –  
(A) 50 mcg (B) 100 mcg (C) 200 mcg (D) 300 mcg
26. Umbilical Cord is attached to the edge of the placenta is called :  
(A) Valamentous insertion (B) Placenta Succenturiata  
(C) Battledore placenta (D) Placenta increta
27. Carcinoma of Cervix in stage I :  
(A) Carcinoma is strictly confined to cervix  
(B) Carcinoma spread beyond the cervix  
(C) Carcinoma spread beyond the uterus  
(D) Carcinoma spread in abdomen
28. Narrowest part of the fallopian tube is the :  
(A) Interstitial portion (B) Isthmus  
(C) Infundibulum (D) Ampulla
29. Type of placenta praevia in which placenta completely covers the internal OS is known as :  
(A) Marginal Placenta Praevia (B) Low Lying Placenta Praevia  
(C) Central Placenta Praevia (D) Partial Placenta Praevia
30. The immunoglobulin that crosses the placental barrier –  
(A) IgM (B) IgG (C) Calcium (D) IgA
31. The family which one sets up after marriage is termed as –  
(A) Extended family (B) Nuclear family  
(C) Family of origin (D) Family of procreation





32. Practices that have been repeated by a multitude of generation practices is refer to –  
(A) Law (B) Habits (C) Custom (D) Culture
33. In India, the most rigid system stratification is :  
(A) Class (B) Caste (C) Estate (D) Slavery
34. Social change refers to :  
(A) Change in individual values  
(B) Change in the values of the society  
(C) Change in technology  
(D) Change in census
35. The scientific study of human population is termed as :  
(A) Census (B) Demography (C) Vital statistics (D) Survey
36. A nurse would advise the patient to avoid salt substitute and foods such as banana, tomato and orange juice for the following disorder –  
(A) Hyperkalemia (B) Hypokalemia  
(C) Hypomagnesemia (D) Metabolic acidosis
37. Absence of the following clotting factor leads to Hemophilia-A :  
(A) Factor VII (B) Factor VIII (C) Factor IX (D) Factor X
38. A client weighing 76 kg is admitted in emergency department with 40% burn. Using Parkland Formula, client's 24 hrs IV fluid replacement should be  
(A) 6080 ml (B) 9120 ml (C) 12160 ml (D) 15180 ml
39. The purpose of maintaining NPO for 6-8 hours before surgery is –  
(A) To prevent vomiting  
(B) To prevent electrolyte imbalance  
(C) To prevent pulmonary aspiration  
(D) To prevent urination



40. In which of the following type fracture the bone is shattered into numerous fragments –
- (A) Greenstick fracture (B) Avulsion fracture  
(C) Comminuted fracture (D) Displaced fracture
41. Immediate treatment of dog bite ?
- (A) Hospitalization  
(B) Application of antiseptic  
(C) Wash the wound with soap and water  
(D) Suturing
42. Which of the following is a screening test for balance ?
- (A) Rinne's test (B) Webber test  
(C) Allen's test (D) Romberg's test
43. Silver Nitrate dressing may cause
- (A) Increased creatinine level  
(B) Depletion of sodium and potassium  
(C) Increased BUN  
(D) Increased Potassium level
44. Signs and symptoms of digoxin toxicity –
- (A) Convulsions (B) Vertigo  
(C) Yellow vision (D) Muscle cramp
45. Diabetes insipidus is caused by the deficiency of :
- (A) Antidiuretic hormone (B) Insulin  
(C) Glucagon (D) Renin
46. According to Piaget, Egocentrism is the feature of which of the cognitive development ?
- (A) Concrete operational (B) Pre-operational  
(C) Formal operational stage (D) Sensory motor stage





47. The ability to tolerate frustration is an example of one of the function of the :  
(A) Id (B) Ego  
(C) Superego (D) Unconscious
48. Another term for super-ego is :  
(A) Self (B) Ideal self (C) Narcissism (D) Conscience
49. Specific abilities are measured by :  
(A) Achievement Test (B) Aptitude Test  
(C) Intelligence Test (D) Occupational Test
50. Another term for reinforcement is :  
(A) Stimulus (B) Reward (C) Response (D) Condition
51. In metabolic process vitamin D is absorbed in  
(A) Stomach  
(B) Small intestine  
(C) Large intestine  
(D) Starts from the stomach and ends in large intestine
52. To prevent neural tube defect in a baby which nutrient is given as supplementation for the mother during pregnancy ?  
(A) Calcium (B) Iron  
(C) Folic acid (D) Magnesium
53. Which is also known as the "Accessory dietary factor" ?  
(A) Fats (B) Vitamins (C) Proteins (D) Hormones
54. Index of duration of malnutrition is  
(A) Weight for height (B) Height for age  
(C) Weight for age (D) None



55. The response to iron replacement therapy is indicated by an increase in Hb at the rate of  
(A) 2 gm/week (B) 1 gm/week  
(C) 1 gm/month (D) 2 gm/month
56. The ability of a class of microbes to produce disease is referred as –  
(A) Virulence (B) Pathogenicity (C) Commensals (D) Infection
57. Koplik's Spot on the buccal mucosa is a characteristic feature of :  
(A) Mumps (B) Measles  
(C) Rubella (D) Respiratory Syncytial Virus
58. IPV is a \_\_\_\_\_ injectable vaccine.  
(A) Killed (B) Live Attenuated  
(C) Inactivated (D) Toxoid
59. Ophthalmia neonatorum in newborn is caused by –  
(A) Neisseria gonorrhea (B) Neisseria meningitidis  
(C) Hemophilus influenza (D) Streptococcus pneumoniae
60. \_\_\_\_\_ mediates Type-I hypersensitivity reaction.  
(A) IgA (B) IgD (C) IgE (D) IgG
61. In the natural history of disease, the pathogenesis phase is *deemed to start upon* :  
(A) Entry of the disease agent in the human host  
(B) Interaction between agent, host and environmental factors  
(C) Appearance of signs and symptoms  
(D) Appearance of complications
62. Morbidity in a community can best be estimated by :  
(A) Active surveillance (B) Sentinel surveillance  
(C) Passive surveillance (D) Monitoring





63. Which is the most peripheral public health center where safe blood services are envisaged under IPHS ?  
(A) PHC (B) CHC  
(C) Sub-district hospital (D) District hospital
64. Which of the following schemes provides cash assistance ?  
(A) Janani Sishu Suraksha Yojana (JSSK)  
(B) Rashtriya Kishore Swasthya Karyakram (RKSK)  
(C) Janani Suraksha Yojana (JSY)  
(D) Rashtriya Bal Swasthya Karyakram (RBSK)
65. The emergency contraceptive pill should be used within a maximum period of :  
(A) 24 hours (B) 48 hours (C) 72 hours (D) 96 hours
66. VIA is a method of screening for cancer of :  
(A) Oral cavity (B) Cervix (C) Gastric (D) Prostate
67. Which of the following centers are now known as Health and Wellness Center (HWC) ?  
(A) CHC (B) District Hospital  
(C) Sub-center (D) Rural Hospital
68. 'Endemic Disease' means that a disease :  
(A) Occurs clearly in excess of normal expectancy  
(B) Is constantly present in a given population group  
(C) Exhibits seasonal pattern  
(D) Is prevalent among animals
69. Live attenuated vaccine is  
(A) COVID-19 (B) Typhoid (C) IPV (D) OPV
70. Hansen's disease is also known as  
(A) Leprosy (B) Filaria (C) Yellow Fever (D) Plague



71. As per national immunization schedule at which age OPV Booster to be given ?  
(A) At 14-16 weeks of age (B) At 10-12 months of age  
(C) At 12-15 months of age (D) At 16-24 months of age
72. A 2 years child having Respiratory rate 50 breaths/min with cough and cold. At which classification of pneumonia, the child belongs to ?  
(A) No pneumonia (B) Pneumonia  
(C) Severe pneumonia (D) Very severe pneumonia
73. "Pavlik Harness" brace is most commonly used for -  
(A) Knee deformity  
(B) Finger deformity  
(C) CDH (Congenital Dislocation of Hip)  
(D) Spinal deformity
74. Vitamin K given to a newborn weighing 900 gram is -  
(A) 0.5 mg (B) 1.5 mg (C) 1.0 mg (D) 2.0 mg
75. The hormone responsible for milk ejection is -  
(A) Oxytocin (B) Estrogen (C) Progesteron (D) Prolactin
76. Patent Ductus Arteriosus is an abnormal communication between the  
(A) Pulmonary artery and pulmonary veins  
(B) Pulmonary artery and aorta  
(C) Pulmonary veins and aorta  
(D) Pulmonary veins and coronary artery
77. The red coloured inverted triangle at the centre of the under five logo represents  
(A) Care in illness (B) Immunisation  
(C) Early diagnosis (D) Family planning
78. 'Flag sign' is a sign in which of the following nutritional disorders ?  
(A) Marasmus (B) Kwashiorkor  
(C) Underweight (D) Nutritional dwarfism





79. FLACC scale is used to assess which of the following parameter in children ?  
(A) Pain (B) Dehydration  
(C) Anxiety (D) Consciousness
80. Under POSHAN Abhiyaan, the focus is on  
(A) Health and nutrition (B) Education  
(C) Vaccine promotion (D) Early treatment and referral
81. An example of non-therapeutic communication techniques is ?  
(A) Validating (B) Belittling (C) Reflecting (D) Listening
82. Patient believes that the nurse and doctor are talking about him; this could best be described as  
(A) Obsession (B) Delusion of reference  
(C) Delusion of persecution (D) An idea of influence
83. Nurse can minimize agitation in a disturbed client by :  
(A) Increasing stimulation  
(B) Limiting unnecessary interaction  
(C) Increasing appropriate sensory perception  
(D) Ensuring constant client and staff contact.
84. In Schizophrenia, the term anhedonia refers to ?  
(A) An inability to enjoy food  
(B) An inability to express empathy  
(C) An inability to react to enjoyable or pleasurable events  
(D) An inability to react appropriately to social cues
85. The 4 A's schizophrenia are  
(A) Anxiety, ambivalence, autism, affective disturbance  
(B) Amnesia, ambivalence, autism, affective disturbance  
(C) Autism, affective disturbance, anxiety, amnesia  
(D) Autism, ambivalence, affective disturbance, associative disturbance



86. The nurse is assigned to a client with catatonic schizophrenia. Which intervention should the nurse include in the client's plan of care ?
- (A) Giving the client an opportunity to express concerns
  - (B) Maintaining safe distance from the patient
  - (C) Administering lithium carbonate (Lithonate) as prescribed
  - (D) Providing a quiet environment where the client can be alone
87. The nurse is caring for a client who experiences false sensory perceptions with no basis in reality. These perceptions are known as
- (A) Delusions
  - (B) Halucination
  - (C) Loose association
  - (D) Neologism
88. Which of the following is a major side effect of typical antipsychotics ?
- (A) Tardive dyskinesia
  - (B) Thyroid abnormality
  - (C) Weight gain
  - (D) Headache
89. Benzodiazepines reduce anxiety by acting on which neurotransmitter ?
- (A) GABA
  - (B) Serotonin
  - (C) Noradrenaline
  - (D) Dopamine
90. A mental disorder characterized by stereotype speech is
- (A) Mannerism
  - (B) Cataplexy
  - (C) Verbigeration
  - (D) Negativism
91. Seminoma testis is a
- (A) Germ cell tumor
  - (B) Vascular tumor
  - (C) Mesothelial tumor
  - (D) Epithelial tumor
92. Cobweb formation in the CSF is characteristically seen in
- (A) Tubercular meningitis
  - (B) Pyogenic meningitis
  - (C) Astrocytoma
  - (D) Meningioma





93. Prolonged infection with HPV-18 is linked with  
(A) Ovarian cancer (B) Carcinoma of the cervix  
(C) Endometrial cancer (D) Uterine polyp
94. Which drug does not cross the placental barrier ?  
(A) Diazepam (B) Heparin (C) Pethidine (D) Dicumerol
95. The drug chloroquine acts on the  
(A) Blood schizonts (B) Merozoites  
(C) Gametocytes (D) Tissue schizonts
96. The drug of choice for ventricular tachycardia is  
(A) Digoxin (B) Xylocard (C) Propranolol (D) Pethidine
97. The main adverse effects of Salbutamol are  
(A) Bradycardia and heart block (B) Palpitation and muscle tremor  
(C) Nausea and vomiting (D) Diarrhea and hypotension
98. The commonest cause of fatty liver is  
(A) Starvation (B) Alcoholism  
(C) Steroid (D) Carbon tetrachloride
99. Major mechanism of transport of drugs across biological membranes is by :  
(A) Passive diffusion (B) Facilitated diffusion  
(C) Active transport (D) Endocytosis
100. Drug of choice for myoclonic seizures :  
(A) Vigabatrin (B) Phenytoin  
(C) Valproate (D) Carbamazepine



## SPACE FOR ROUGH WORK

