



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.



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**SPACE FOR ROUGH WORK**



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

PART – A

1. Vaccination was invented by  
(A) Jenner (B) Pasteur (C) Watson (D) Crick
2. Hypersecretion of growth hormone in adults does not cause increase in height because  
(A) Epiphyseal plate closes after adolescence.  
(B) Bones lose their sensitivity to growth hormone in adults.  
(C) Muscle fibre does not grow in size after birth.  
(D) GH becomes inactive in adults.
3. Name the common eye problem in preterm infant which may develop due to oxygen toxicity:  
(A) Corneal Ulcer (B) Ophthalmia Neonatorum  
(C) Juvenile Cataract (D) Macular degeneration
4. Process of making mRNA from DNA is called -  
(A) Translation (B) Transcription  
(C) Transduction (D) Telophase
5. Majority of the drugs cross biological membrane primarily by:  
(A) Passive diffusion (B) Active transport  
(C) Osmosis (D) Facilitated transport
6. An adult female may be considered as obese whose BMI (according to WHO) is  
(A) < 18.5 (B) 18.5 – 24.9 (C) 25 – 29.9 (D) ≥ 30
7. The nurse is aware that the following solutions is routinely used to flush an IV device before and after the administration of blood to a patient is:  
(A) 0.9 percent sodium chloride (B) 5 percent dextrose in water solution  
(C) Sterile water (D) Heparin sodium
8. The most effective method of killing micro-organisms is  
(A) High temperature (B) Low temperature  
(C) High temperature & high moisture (D) Low temperature & high moisture



9. Lack of relaxation between successive stimuli in sustained muscle contraction is known as:  
 (A) Spasm (B) Tetanus (C) Fatigue (D) Tonus
10. Which of the following type of insulin is the treatment of choice in diabetic ketoacidosis ?  
 (A) Regular Insulin (B) NPH Insulin  
 (C) Ultralente Insulin (D) All of these
11. Who is considered as 'Father of Sociology'?  
 (A) Mac iner (B) Gisenberg  
 (C) Aristotle (D) Auguste Comte
12. Potassium ion increases the relaxation of the heart muscles which is antagonised by:  
 (A) Calcium ion (B) Zinc ion  
 (C) Sodium ion (D) Magnesium ion
13. Function of sodium ions in the body are all, except :  
 (A) Regulation of acid base balance in the body.  
 (B) Regulation of the osmotic pressure of the plasma or tissue fluids.  
 (C) Originating & maintaining heart beats.  
 (D) Essential constituents of nucleo-proteins.
14. Bioavailability of the drug refers to:  
 (A) Ratio of oral to parenteral dose  
 (B) Ratio of drugs excreted unchanged in urine to that excreted as metabolites  
 (C) Percentage of administered dose that reaches systemic circulation in the unchanged form  
 (D) All of these
15. Following are the strategies to promote effective human relations, except :  
 (A) Individualized goals (B) Common organizational goals  
 (C) Group cohesiveness (D) Sense of oneness
16. When a patient is already suffering from an infection acquires another infection from another patient /source, the type of infection is called \_\_\_\_\_  
 (A) Chronic infection (B) Cross infection  
 (C) Contagious infection (D) Latent infection



17. Ms. Rina Roy, a 38 year old lady admitted in the surgical ward and developed Tetany as a post operative complication after Thyroidectomy. The nurse anticipate that the patient will be treated with:  
 (A) Calcium Carbonate (B) Calcium Sulfate  
 (C) Calcium Phosphate (D) Calcium Gluconate
18. The following are trace elements found in the body, except:  
 (A) Tin (B) Vanadium (C) Silicon (D) Phosphorus
19. Broca's area in the left hemisphere usually is related to:  
 (A) Receiving the impulse from eyes (B) Speech  
 (C) Learning & reasoning (D) Sensation of smell
20. The major intracellular cation is:  
 (A) Na<sup>+</sup> (B) K<sup>+</sup> (C) Ca<sup>2+</sup> (D) Mg<sup>2+</sup>
21. Dose of Dopamine (< 2 µg/kg/minute) stimulate which receptor site ?  
 (A) Alpha (B) Beta  
 (C) Dopaminergic (D) Both Alpha and Beta
22. Localized area of ischemic necrosis is most commonly associated with:  
 (A) Ascitis (B) Petechiae (C) Emboli (D) Infarction
23. 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.
24. Drugs used as smooth muscle relaxants are  
 (A) Corticosteroid (B) NASIDS  
 (C) Atropine (D) Macrolides
25. The temperature that allows for most rapid growth of any organism during a short period of time is known as  
 (A) Minimum temperature (B) Maximum temperature  
 (C) Optimum temperature (D) Growth temperature



26. Glomerular filtration of a drug is affected by its:
- (A) Lipid solubility (B) Plasma protein binding  
(C) Degree of ionisation (D) Rate of tubular secretion
27. Following which drug is used to close PDA ?
- (A) Prostaglandin (B) Indomethacin  
(C) Endorphin (D) All of these
28. Which of the following is social group?
- (A) A market (B) Family  
(C) Crowd (D) People in circus tent
29. The instrument used for sterilizing the media after it has been prepared is :
- (A) Autoclave (B) Laminar Air Flow Chamber  
(C) Inoculum Needle (D) Incubator
30. Volume of CSF at any point of time in a normal adult is about:
- (A) 50 ml (B) 100 ml (C) 150 ml (D) 200 ml
31. All the following cross placenta, except:
- (A) Warfarin (B) Heparin (C) Phenindione (D) Morphine
32. In which of the following organ there is practically no digestion of carbohydrates?
- (A) Mouth (B) Stomach  
(C) Duodenum (D) Small intestine
33. Polygamy means
- (A) A man marries more than one woman at a given time.  
(B) A woman marries more than one husband at a given time.  
(C) Women and men are collectively married.  
(D) None of these



34. In megaloblastic anaemia the cells are:
- (A) Macrocytic hypochromic (B) Macrocytic hyperchromic  
(C) Macrocytic normochromic (D) None of these
35. Alcohol concentrations above 70% are effective against:
- (A) Bacteria (B) Fungi  
(C) Virus (D) All of these
36. Characteristics of society includes all of the following, except:
- (A) Geographical nations (B) Common habits and customs  
(C) Maintenance of order and peace (D) Self-actualization
37. Gonadotrophin activity in a normal pregnant female:
- (A) High level HCG & LH stimulates the thickening of endometrium.  
(B) High level HCG & LH facilitates the implantation of the embryo.  
(C) High level of HCG stimulates the synthesis of Oestrogen & Progesteron.  
(D) High level HCG stimulates the thickening of endometrium.
38. Female gonads are
- (A) Vagina (B) Ovaries  
(C) Uterus (D) Fallopian tubes
39. A group of unicellular eukaryotes which obtain nourishment by ingestion or absorption are called.
- (A) Algae (B) Protozoa  
(C) Fungi (D) Archaea
40. Proteins are polymers of:
- (A) Sugar (B) Amino acids  
(C) Fatty acids (D) Nucleotides



## PART-B

41. Ramsted's operation is done for:  
(A) Hiatus Hernia (B) Pylorostenosis  
(C) Congenital megacolon (D) Repair of cleft lip
42. Old man appearance is seen in:  
(A) Fever (B) Marasmus  
(C) Jaundice (D) Encephalopathy
43. A child is getting Injection Ampicillin 300 mg & the vial contains 1 gm to be dissolved in 10 ml. The amount taken to administer the ordered dose is:  
(A) 2.5 ml (B) 3 ml  
(C) 3.5 ml (D) 3.2 ml
44. A client with schizophrenia hears a voice telling him he is evil and must die. The nurse understands that the client is experiencing:  
(A) Delusion (B) Flight of ideas  
(C) Ideas of reference (D) Auditory hallucination
45. An elevated ASO titre is seen in which of the following conditions?  
(A) Nephrotic syndrome (B) Rheumatic fever  
(C) Gastric ulcer (D) Ulcerative colitis
46. A patient's unresolved feelings related to loss would be MOST LIKELY observed during which phase of the therapeutic nurse-patient relationship?  
(A) Pre-orientation (B) Working  
(C) Orientation (D) Termination
47. Physiological Jaundice of newborn is developed due to:  
(A) RH incompatibility (B) ABO incompatibility  
(C) Immature liver function (D) All of these
48. Cytomegalovirus infection is an example of:  
(A) Nosocomial infection (B) Iatrogenic infection  
(C) Opportunistic infection (D) Zoonotic infection





49. Which one is regulate the Body temperature?  
(A) Parathyroid gland (B) Hypothalamus  
(C) Pituitary gland (D) Thyroid gland
50. Client who experiences false sensory perceptions in presence of a stimulus is known as  
(A) Hallucinations (B) Illusion  
(C) Loose associations (D) Neologisms
51. In which stage of sleep the muscles are completely relaxed?  
(A) Stage 1 NREM (B) Stage 2 NREM  
(C) Stage 3 NREM (D) Stage 4 NREM
52. Mental disorder of chronic general impairment in intellectual functioning within clear consciousness is known as:  
(A) Dementia (B) Delirium  
(C) Intoxication (D) Derealisation
53. Immunoglobulin abundantly present in human milk is:  
(A) Ig G. (B) Ig M.  
(C) Ig A. (D) Ig E.
54. When transferring a patient from a bed to a chair the nurse should use which muscles to avoid back injury?  
(A) Abdominal muscles (B) Back muscles  
(C) Leg muscles (D) Upper arm muscles
55. Pap smear test for detection of carcinoma of cervix is which level of prevention?  
(A) Primordial (B) Primary  
(C) Secondary (D) Tertiary
56. What do we mean by the excess interstitial fluid?  
(A) Fluid volume excess (B) Oedema  
(C) Dehydration (D) Anhydration



57. A female client is admitted with a diagnosis of delusions of GRANDEUR. This diagnosis reflects a belief that one is:
- (A) Being Killed
  - (B) Highly famous and important
  - (C) Responsible for evil world
  - (D) Connected to client unrelated to oneself
58. Persistent, pathological, unrealistic intense fear of an object or situation is known as:
- (A) Perception
  - (B) Phobia
  - (C) Obsession
  - (D) Compulsion
59. Sickle cell crisis occurs when:
- (A) Cells lack sufficient hemoglobin to transport oxygen
  - (B) Sickled cells are unable to transport adequate oxygen
  - (C) Sickled cells form clumps that obstruct blood flow
  - (D) The bone marrow stops producing red blood cells
60. The ABG analysis report shows pH : 7.55, PCO<sub>2</sub> : 35 mm of Hg ,HCO<sub>3</sub> : 33 mEq/L, the condition is known as:
- (A) Metabolic acidosis
  - (B) Metabolic alkalosis
  - (C) Respiratory acidosis
  - (D) Respiratory alkalosis
61. The nurse must administer a medication to reverse or prevent Parkinson-type symptoms in a client receiving an antipsychotic. The medication the client will likely receive is:
- (A) Tryhexyphenidyl (Pacitane)
  - (B) Diphenhydramine (Benadryl)
  - (C) Propranolol (Inderal)
  - (D) Haloperidol (Haldol)
62. Who theorized the act of utilizing the environment of the patient to assist him in his recovery?
- (A) Robert Koch
  - (B) Benner
  - (C) Callista Roy
  - (D) Florence Nightingale
63. Which of the followings is used to assess the level of consciousness?
- (A) Apgar score
  - (B) Braden scale
  - (C) Glasgow coma scale
  - (D) Visual analogue scale



64. The number of times an event has occurred in a population during a specified time period is termed as:
- (A) Ratios (B) Denominator  
(C) Proportions (D) Numerator
65. Which of the following conditions may require fluid restriction?
- (A) Fever  
(B) Chronic Obstructive Pulmonary Disease  
(C) Renal Failure  
(D) Dehydration
66. The goals of treatment for Diabetic Ketoacidosis are:
- (A) To correct fluid and electrolyte disturbances  
(B) To provide adequate insulin to restore and maintain normal glucose metabolism  
(C) To correct acidosis  
(D) All of these
67. Smoky colour urine, hyper lipidemia, protein urea are characterized by in:
- (A) Chronic renal failure (B) Nephrotic syndrome  
(C) Nephritis (D) All of these
68. Anatomical closure of Ductus arteriosus may occur :
- (A) Immediate after birth (B) Between 1 to 3 month  
(C) Between 1 to 3 week (D) After one week
69. Zero incidence is:
- (A) Elimination of disease (B) Eradication of disease  
(C) Elimination of infection (D) Eradication of infection
70. Positive signs of schizophrenia are:
- (A) Hallucination, delusions, thought disorder  
(B) Hallucination, delusions, unconsciousness  
(C) Hallucination, delusions, over-eating  
(D) Hallucination, delusions, reality oriented



71. Morbid fear of open places or leaving the familiar setting home is known as:  
 (A) Agoraphobia (B) Ailurophobia  
 (C) Xenophobia (D) Zoophobia
72. The client has an order for 2 tablespoons of milk of magnesia. The nurse converting this to the metric system. How much she should have to give the client?  
 (A) 2 ml (B) 5 ml (C) 15 ml (D) 30 ml
73. Following signs and symptoms should be carefully assessed for diagnosis of preterm labour:  
 (A) At least one uterine contraction in 10 minutes lasting for 30 minutes and progressive dilatation of cervix.  
 (B) At least two uterine contractions in 10 minutes lasting for 20 minutes and progressive dilatation of cervix.  
 (C) At least three uterine contractions in 10 minutes lasting for 10 minutes without cervical dilatation.  
 (D) At least four uterine contractions in 10 minutes lasting for 30 minutes.
74. Disease elimination is helped by:  
 (A) Herd immunity (B) Isolation  
 (C) Quarantine (D) None of these
75. Frequent regurgitation in infants occur due to:  
 (A) Relaxed cardiac sphincter (B) Relaxed pyloric sphincter  
 (C) Relaxed anal sphincter (D) Relaxation of glottis
76. The ELISA test is used:  
 (A) Screen blood donors for antibodies to Human Immunodeficiency Virus (HIV).  
 (B) Test blood to be used for transfusion for HIV antibodies.  
 (C) Aid in diagnosing a patient with AIDS.  
 (D) All of these
77. The progression steps in Transformation of Normal Cells to Malignant Cells is concerned with following, except  
 (A) Irreversible changes occur to DNA.  
 (B) Altered appearance and biochemical activity.  
 (C) Growth pattern of cells remains unaltered.  
 (D) Tumors develop internal blood vessels.



78. What signs and symptoms do you expect in complete abortion?  
 (A) Expulsion of fleshy mass per vagina with increase vaginal bleeding.  
 (B) Expulsion of fleshy mass per vagina with decrease vaginal bleeding.  
 (C) Expulsion of fleshy mass per vagina with decrease vaginal bleeding and decrease abdominal pain.  
 (D) Expulsion of no fleshy mass per vagina with increase vaginal bleeding.
79. Which element in the circular chain of infection can be eliminated by preserving skin integrity ?  
 (A) Host (B) Reservoir.  
 (C) Mode of transmission (D) Portal of entry
80. Oral thrush is caused by:  
 (A) Gonococci (B) E-Coli  
 (C) Candida albicans (D) Staphylococcus
81. Koplic spot are characteristic feature of:  
 (A) Rubella (B) Typhoid (C) Rubeola (D) Mumps
82. Total fertility rate refers to  
 (A) Number of women between 15-44 yrs of age.  
 (B) Number of birth per 1000 women.  
 (C) Approximate completed family size.  
 (D) Number of female children per women.
83. Bulging fontanel is one of the important sign of:  
 (A) Dehydration (B) Increased intra cranial pressure  
 (C) Increased intra cellular pressure (D) Fluid overload
84. Cord compression may occur in post-term delivery due to:  
 (A) Diminished liquor amnii (B) Diminished Wharton's jelly  
 (C) Diminished placental function (D) Diminished foetal urine
85. Systems which are activated in response to inflammation:  
 (A) G.I. system, eye, respiratory system.  
 (B) Integumentary system, muscular system, E.N.T.  
 (C) Kinin system, Clotting system, Sympathetic nervous system.  
 (D) Skeletal system, G.I. system, respiratory system.



86. When patients are first informed that they are HIV positive, their emotional response include?
- (A) Anger at the person who may have given them the virus.
  - (B) Guilt over their own role in exposing themselves to the virus.
  - (C) Despair over the prognosis, sometimes triggering suicidal acts.
  - (D) All of these
87. Which of the following test is most sensitive for the detection of iron depletion in pregnancy?
- (A) Serum iron
  - (B) Serum ferritin
  - (C) Serum transferrin
  - (D) Serum iron binding capacity
88. The mid-deltoid injection site is seldom used for I.M. injections because it:
- (A) Can accommodate only 1 ml or less of medication.
  - (B) Bruises too easily.
  - (C) Can be used only when the patient is lying down.
  - (D) Dose not readily parenteral medication.
89. Which health personnel links between ANM and Anganwadi Workers?
- (A) LHV
  - (B) PHN
  - (C) ASHA
  - (D) Social Workers
90. When teaching pregnant women about nutrition, the nurse would urge her to ingest foods containing which vitamin to prevent the risk of Neural Tube Defects (NTDs)?
- (A) Folic acid
  - (B) Vitamin A
  - (C) Vitamin C
  - (D) Vitamin K
91. Goodell's sign is characterized by:
- (A) Bluish colouration of vagina
  - (B) Pulsation of vaginal
  - (C) Softening of cervix
  - (D) Firm cervix
92. Mental disorder in which the thoughts, affective response, ability to recognize reality, communicate & relate to others are sufficiently impaired is known as:
- (A) Neurosis
  - (B) Psychosis
  - (C) Regression
  - (D) Repression
93. International classification of disease 10 is arranged as:
- (A) Congenital Malformation
  - (B) Neoplasms
  - (C) Certain infections and parasitic diseases
  - (D) External causes of morbidity and mortality



94. Nursing care of a patient undergoing Transesophageal Echocardiography include:
- (A) Obtaining of signed informed consent.
  - (B) Patient encouraged coughing.
  - (C) Removal of dentures or oral prosthesis.
  - (D) All of these
95. Unconscious defence mechanism in which unacceptable behaviour, motives or feelings are logically justified is known as:
- (A) Rationalization
  - (B) Reaction formation
  - (C) Regression
  - (D) Repression
96. Sensitivity of uterine musculature during labour is occurred due to:
- (A) Increased progesterone level
  - (B) Increased oestrogen level
  - (C) Decreased oestrogen level
  - (D) Increased oestrogen and decreased progesterone level
97. Ram is admitted in Psychiatric Unit with the diagnosis of bipolar disorder, single manic episode. Which of the following behaviours would the nurse expect to assess?
- (A) Apathy, poor insight, and poverty of ideas.
  - (B) Anxiety, somatic complaints and insomnia.
  - (C) Elation, hyperactivity, and impaired judgment.
  - (D) Social isolation, delusional thinking, and clang associations.
98. Nurse is aware that language development in autistic child resembles:
- (A) Scanning speech
  - (B) Speech lag
  - (C) Shuttering
  - (D) Echolalia
99. Total no. of primary tooth is:
- (A) 20 in number
  - (B) 32 in number
  - (C) 24 in number
  - (D) 20-30 in number
100. The basic cause of distributive shock is:
- (A) An antigen-antibody reaction
  - (B) Dilation of blood vessels
  - (C) Failure of the heart as a pump
  - (D) Blood or fluid loss



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