

Duration : 90 minutes

(Booklet Number)

Full Marks : 100

**INSTRUCTIONS**

1. All questions are of objective type having four answer options for each. Only one option is correct. Correct answer will carry full marks 1. In case of incorrect answer or any combination of more than one answer,  $\frac{1}{4}$  marks will be deducted.
2. Questions must be answered on OMR sheet by darkening the appropriate bubble marked A, B, C, or D.
3. Use only **Black/Blue ball point pen** to mark the answer by complete filling up of the respective bubbles.
4. Mark answers only in the space provided. Do not make any stray mark on the OMR.
5. Write question booklet number and your roll number carefully in the specified locations of the **OMR**. Also fill appropriate bubbles.
6. Write your name (in block letters), name of the examination centre and put your full signature in appropriate boxes in the OMR.
7. 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 centre. 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.
8. 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.
9. Rough work must be done on the question paper itself. Additional blank pages are given in the question paper for rough work.
10. Hand over the OMR to the invigilator before leaving the Examination Hall.



SPACE FOR ROUGH WORK

(Student Name)  
Roll Number: 100

Date: \_\_\_\_\_  
Page No: \_\_\_\_\_

Blank space for rough work.

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Part-A

1. Theories of origin of society are  
(A) Divine origin theory. (B) Force theory.  
(C) Social contract theory. (D) All of the above.
2. Gender, age-class, religion, type of disease & 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.
3. Metabolic alkalosis is seen in all except  
(A) Cushing's syndrome. (B) Persistent vomiting.  
(C) Ureterosigmoidoscopy. (D) Thiazide therapy.
4. The major portion of the glomerular filtrate is absorbed in the  
(A) Proximal segment by active reabsorption of  $\text{Na}^{++}$ .  
(B) Collecting tubule.  
(C) Distal convoluted tubule.  
(D) Loop of Henle by an active process.
5. Which of the followings make the first line of body's defence in non-specific resistance ?  
(A) Intact skin.  
(B) Mucous membrane and their secretions.  
(C) Normal microbial flora.  
(D) All of the above.
6. Inflammation of vein is called  
(A) Veinitis. (B) Phlebitis.  
(C) Aneurysm. (D) Varicose.
7. If the researcher implemented a new structured counselling program with a randomized group of subject & a routine counselling program with another randomized group of subjects the research is utilizing which design ?  
(A) Quasi experimental. (B) Experimental.  
(C) Comparative. (D) Methodological.

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8. Which of the following is social group ?  
(A) A market. (B) Family.  
(C) Crowd. (D) People in circus tent.
9. The Median value is the :  
(A) 25<sup>th</sup> percentile. (B) 50<sup>th</sup> percentile.  
(C) 75<sup>th</sup> percentile. (D) 95<sup>th</sup> percentile.
10. Majority of the drugs cross biological membrane primarily by :  
(A) Passive diffusion. (B) Active transport.  
(C) Osmosis. (D) Facilitated transport.
11. Following are all standardized test except :  
(A) Aptitude test. (B) Prognostic test.  
(C) Oral test. (D) Intelligence test.
12. Bone marrow toxicity is one of the most frequent types of drug-induced toxicity. The most serious form of bone marrow toxicity is :  
(A) Aplastic anaemia. (B) Thrombocytosis.  
(C) Leucocytosis. (D) Agranulocytosis.
13. Demonstration method strives to achieve the following types of objectives :  
(A) Cognitive. (B) Affective.  
(C) Psycho motor. (D) Observation.
14. In the process of development, the individual strives to maintain, protect and enhance the integrity of the self. This normally is accomplished through :  
(A) Affective reactions. (B) Withdrawal pattern.  
(C) Realistic behaviours. (D) Defence mechanism.
15. Which type of immunity means collective resistance to the disease displayed by the community ?  
(A) Herd immunity. (B) Active immunity.  
(C) Passive immunity. (D) Innate immunity.

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16. Atrophy means :
- (A) Decrease in cell number. (B) Decrease in cell size.  
(C) Increase in cell number. (D) Conversion to different cell types.
17. Ring worm is which type of infection ?
- (A) Fungal infection. (B) Bacterial infection.  
(C) Viral infection. (D) None of the above.
18. 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.
19. Dyslexia is associated with :
- (A) Mental disorder. (B) Behavioural disorder.  
(C) Reading disorder. (D) Writing disorder.
20. The stage of growth & development, basically concerned with role identification, is the :
- (A) Oral stage. (B) Genital stage.  
(C) Oedipal stage. (D) Latency stage.
21. The accepted ways of doing things together in personal contacts
- (A) Custom. (B) Institution.  
(C) Folkways. (D) Culture.
22. A type of graphical presentation used to explain correlation between two variables is :
- (A) Histogram. (B) Frequency polygon.  
(C) Frequency curve. (D) Scatter diagram.
23. The most appropriate meaning of learning is :
- (A) Acquisition of skills. (B) Modification of behaviour.  
(C) Personal adjustment. (D) Inculcation of knowledge.
24. The best test for analysis of hypoxia is
- (A) Arterial  $PO_2$ . (B) Arterial  $PCO_2$ .  
(C) Venous  $PO_2$ . (D) Venous  $PCO_2$ .

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25. Shape of a normal curve is :  
(A) Symmetrical. (B) Curvilinear.  
(C) Linear. (D) Parabolic.
26. Cognitive domain in Bloom's Taxonomy includes all the following except :  
(A) Evaluation. (B) Synthesis.  
(C) Knowledge. (D) Initiation.
27. 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.
28. Glomerular filtration of a drug is affected by its  
(A) Lipid solubility. (B) Plasma protein binding.  
(C) Degree of ionization. (D) Rate of tubular secretion.
29. Intestinal obstruction caused by Ca colon most likely involves  
(A) Caecum. (B) Ascending colon.  
(C) Transverse colon. (D) Sigmoid colon.
30. In Quantitative data which of the following is described as the distance in the scoring units of the variable from the highest to the lowest ?  
(A) Frequency. (B) Mean.  
(C) Median. (D) Range.
31. Which of the following is used for sterilization of cystoscopes, endoscopes and bronchoscopes ?  
(A) Glutaraldehyde (B) Ethanol.  
(C) Methanol. (D) Ethylene oxide.
32. Self – directed learning make the student :  
(A) Curious and willing to try new things.  
(B) View problems as challenges and enjoy learning.  
(C) Develop self –discipline.  
(D) All of the above.

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33. By which process all living cells, spores and viruses are completely destroyed from an object ?  
(A) Disinfection. (B) Sterilization.  
(C) Pasteurization. (D) Antisepsis.
34. In an array of 88, 81, 89, 88, 90, 92, 90 : what is the mean ?  
(A) 88.3. (B) 88.4.  
(C) 88.1. (D) 88.0
35. Which domain of learning is evaluated by formal written examination ?  
(A) Cognitive. (B) Affective.  
(C) Psycho motor. (D) All of These.
36. Proteins are made of amino acids linked together by specific bonds called  
(A) Peptide bonds. (B) Nitrogen bonds.  
(C) Hydrogen bonds. (D) Hydrogen & Nitrogen.
37. Transport across biological membrane requiring energy is known as :  
(A) Passive diffusion. (B) Active transport.  
(C) Osmosis. (D) Facilitated transport.
38. The researcher designs a study where data collection takes place in the caregiver's home. This would be an example of which type of research setting ?  
(A) Natural, field. (B) Highly controlled, field.  
(C) Partially controlled, laboratory. (D) Highly controlled, laboratory.
39. All are motor nerves except :  
(A) Accessory. (B) Abducent.  
(C) Trochlear. (D) Trigeminal.
40. Basic principles that are accepted as being true on the basis of logic or reason, without proof or verification is termed as :  
(A) Assumptions. (B) Hypothesis.  
(C) Constructs. (D) Propositions.

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Part-B

41. The subcutaneous fat which disappears last in marasmus
- (A) Gluteal fat. (B) Buccal pad of fat.  
(C) Abdominal fat. (D) Fat in axilla and groin.
42. A cobweb coagulum is formed in the tube containing CSF on standing in case of
- (A) Pyogenic meningitis. (B) Viral meningitis.  
(C) Tubercular meningitis. (D) Encephalitis.
43. The best approach for the mental health nurse to take when a client thinks his food is poisoned, is to
- (A) Assure the client that all food served in the hospital is safe to eat.  
(B) Obtain an order for a tube feeding for the client.  
(C) Provide the client with food in unopened containers.  
(D) Tell the client that irrational thinking is detrimental to good health.
44. The nurse is auscultating the breath sounds of a patient with cardiac failure, the breath sounds what the nurse is expected to hear is :
- (A) Crackles. (B) Wheezes.  
(C) Friction rub. (D) Rhonchi.
45. A priority nursing intervention in relevant case is to
- (A) Ambulate the patient.  
(B) Monitor intake and output every 2 hours.  
(C) Increase intake during first 24 hours.  
(D) Encourage the patient to turn, deep breath, and cough frequently.
46. A child with mental age of seven years has an IQ of
- (A) 70 (B) 80  
(C) 90 (D) 100
47. Which of the following behavioural problem improve with increasing age ?
- (A) Conduct disorder (B) Temper tantrum  
(C) Autism (D) ADHD



48. A 50-year-old woman has been diagnosed with hypoparathyroidism. The nurse anticipates that the patient will be prescribed a daily supplement of calcium 2 gm per day and
- (A) Phosphorus (B) Folic acid  
(C) Vitamin D (D) Vitamin C
49. The important reflex necessary for breast feeding is
- (A) Moro reflex (B) Rooting reflex  
(C) Extrusion reflex (D) Cough reflex
50. The most common cause of hypokalemia is
- (A) Dehydration. (B) Renal failure.  
(C) Thiazide and loop diuretics. (D) Too rapid blood transfusion.
51. A jaundice patient and his stools are clay coloured. This is most likely related to :
- (A) Decreased bile flow into the intestine.  
(B) Increased production of urobilinogen.  
(C) Increased production of cholecystokinin.  
(D) Increased bile and bilirubin in the blood.
52. Impaired consciousness, visual hallucination, hyperactivity and fragmentary delusion are typically seen in
- (A) Dementia. (B) Delirium.  
(C) Schizophrenia. (D) Delusional disorder.
53. Prevention of emergence of risk factors is the aim of
- (A) Primordial prevention. (B) Primary prevention.  
(C) Secondary prevention. (D) Tertiary prevention.
54. Digitalis toxicity is indicated by
- (A) Visual disturbance such as seeing yellow spots.  
(B) Elevated blood pressure.  
(C) Skin rash over the chest and back.  
(D) Increased appetite.

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55. Which of the following foods the nurse will eliminate from the diet of a client in alcohol withdrawal ?
- (A) Milk. (B) Orange juice.  
(C) Tea. (D) Regular coffee.
56. The floating tip of the iceberg represents
- (A) Pre – symptomatic disease condition.  
(B) Hidden mass of disease.  
(C) Undiagnosed cases.  
(D) Clinical cases.
57. If no scar appears after BCG vaccination of a child, the Community health nurse should advice the mother.
- (A) To come for follow up. (B) To re-vaccinate the child.  
(C) No need to re-vaccinate the child. (D) To consult with doctor.
58. Morula (12-16 cell stage) enters the uterine cavity on
- (A) 2<sup>nd</sup> day. (B) 3<sup>rd</sup> day.  
(C) 4<sup>th</sup> day. (D) 6<sup>th</sup> day.
59. The primary fetal response to infection is :
- (A) IgG production. (B) IgM production.  
(C) IgA production. (D) No immunologic response by fetus.
60. Polydipsia and polyuria related to diabetes mellitus are primarily due to
- (A) The release of ketones from cells during fat metabolism.  
(B) Fluid shifts resulting from the osmotic effect of hyperglycemia.  
(C) Damage to the kidneys from exposure to high levels of glucose.  
(D) Changes in RBCs resulting from attachment of excessive glucose to hemoglobin.
61. 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.

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62. The primary reason for peripheral arterial occlusive disease is :
- (A) Atherosclerosis. (B) Embolism.  
(C) Thrombosis. (D) Vasospasm.
63. The type of delusion most commonly seen in manic patients is \_\_\_\_\_
- (A) Delusion of persecution. (B) Delusion of grandeur.  
(C) Delusion of guilt. (D) Nihilistic delusion.
64. The pregnancy detection kit launched by Govt. of India under RCH II is
- (A) Preg color. (B) Preganews.  
(C) Nischay. (D) Nikshay.
65. Time required for a spermatogonium to develop into mature spermatozoön :
- (A) 30 days. (B) 60 days.  
(C) 90 days. (D) 120 days.
66. Which neurotransmitter has been implicated in the development of Alzheimer's disease ?
- (A) Dopamine. (B) Serotonin.  
(C) Epinephrine. (D) Acetylcholine.
67. In teaching a newly diagnosed type 1 diabetic "survival skill", the nurse includes information about :
- (A) Weight loss measures. (B) Eliminating sugar from diet.  
(C) Need to increase rest. (D) Prevention of hypoglycemia.
68. The pattern of disease in a community described in terms of the important factors influencing the specific disease pattern is known as
- (A) Community medicine. (B) Social medicine.  
(C) Community diagnosis. (D) Community treatment.
69. In which of the following settings an extremely depressed client can do best ?
- (A) Opportunities for decision making. (B) Simple daily routines.  
(C) Varied activities. (D) Multiple stimuli.

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70. A scheme for adolescent girls in ICDS launched by GOI is  
(A) Kishori shakti yojna. (B) RMNCAH.  
(C) RMNCH+A. (D) Vandemataram Scheme.
71. In android type of pelvis, the Sacro sciatic notch is  
(A) Narrow & shallow. (B) Narrow & deep.  
(C) Wide & deep. (D) Very wide & shallow.
72. The nurse is assessing a dark –skinned patient for cyanosis. Inspection of which of the following areas is more reliable ?  
(A) Lips. (B) Mucous membrane.  
(C) Nail beds. (D) Ear lobes.
73. It is essential that the community health nurse has to make nursing diagnosis after  
(A) Planning for data collection. (B) Consulting with supervisor.  
(C) Collecting and analyzing the data. (D) Providing care to the family.
74. The nurse is aware that the approach to be used during crisis intervention should be  
(A) Active and goal directed. (B) Passive and reflective.  
(C) Interpretative and analytical. (D) Future oriented and passive.
75. 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.
76. A male client is diagnosed with schizotypal personality disorder. Which signs would this client exhibit during social situation ?  
(A) Paranoid thoughts.  
(B) Emotional affect.  
(C) Independence need.  
(D) Aggressive behaviour.
77. Demographic gap refers to difference between  
(A) Birth and death rate. (B) Child to women ratio.  
(C) Two census counts. (D) Male and female ratio.

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78. A child presenting with scorbutic rosary is suffering from  
(A) Scurvy (B) Rickets  
(C) Beriberi (D) Achondroplasia.
79. During an intramuscular injection, the medication is absorbed quickly. This is because,  
(A) The muscle tissue is more vascular.  
(B) The needle is entering the dermis.  
(C) There is more connective tissue.  
(D) Fat cells readily absorb the medication.
80. Trisomy 13 is known as :  
(A) Down Syndrome. (B) Turner Syndrome.  
(C) Edwards Syndrome. (D) Patau Syndrome.
81. The time between the entry of an infectious agent into the host until the manifestation of clinical symptoms refers to  
(A) Incubation period. (B) Convalescence period.  
(C) Infective period. (D) Transmission period.
82. Which of the following is the major risk factor of candidiasis of oral cavity ?  
(A) Poor oral hygiene. (B) Long-term use of antibiotics.  
(C) Malnutrition. (D) Smoking.
83. Disorder of motor activity in which the person constantly maintains a position without any movement is  
(A) Mannerism. (B) Cataplexy.  
(C) Verbigeration. (D) Negativism.
84. Amphetamines are recognized in the treatment of  
(A) Narcolepsy. (B) Schizophrenia.  
(C) Obesity. (D) Mental retardation.
85. "Kishori Shakti Yojna" is one the schemes for  
(A) School children. (B) Women of reproductive age.  
(C) Adolescent girls. (D) Antenatal mothers.

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86. Which of the following is least necessary while working with a client with chronic mental illness ?
- (A) Community based treatment program.
  - (B) Psychosocial rehabilitation.
  - (C) Custodial care in long-term hospitals.
  - (D) Employment opportunities
87. Blepharitis refers to
- (A) Inflammation of the conjunctiva.
  - (B) Inflammation of the eyelids.
  - (C) Inflammation of the retina.
  - (D) Pain in the eye.
88. Defining the population and disease under study are the important steps of
- (A) Analytical epidemiology.
  - (B) Descriptive epidemiology.
  - (C) Experimental epidemiology.
  - (D) Prospective cohort study.
89. The main objectives of UN sustainable development goals on human resources for health is
- (A) Promote international collaboration and solidarity.
  - (B) Mobilize and sustain political and financial commitment.
  - (C) Right to health.
  - (D) Capacity building of institutions.
90. The type of epidemic displayed by spread of cholera is :
- (A) Propagated epidemic
  - (B) Point source epidemic
  - (C) Multiple exposure epidemic
  - (D) Silent epidemic
91. Barlow test is performed to diagnose.
- (A) Club foot.
  - (B) Developmental dysplasia of hip.
  - (C) Rheumatoid arthritis.
  - (D) Rickets.
92. Number of Deciduous teeth is
- (A) 20
  - (B) 24
  - (C) 28
  - (D) 32
93. The following are the examples of experimental studies except
- (A) Clinical trials.
  - (B) Cohort studies.
  - (C) Community trials.
  - (D) Field trials

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94. The success of national immunization programme is highly dependent on
- (A) Supply chain system for delivery of vaccines and equipment
  - (B) Protection of vaccines from sunlight.
  - (C) Protection of all vaccines from sub-zero temperature.
  - (D) Use of preservative to keep opened multi-dose vaccine
95. According to DSM-IV TR antisocial personality disorder is classified under :
- (A) Cluster- A.
  - (B) Cluster- C.
  - (C) Cluster- D.
  - (D) Cluster- B.
96. A nursing care plan for a male client with bipolar I disorder should include :
- (A) Designing activities that will require the client to maintain contact with reality.
  - (B) Engaging the client in conversing about current affairs.
  - (C) Touching the client provide assurance.
  - (D) Providing a structured environment.
97. Which method would a nurse use to determine a client's potential risk for suicide ?
- (A) Observe the client's behaviour for cues of suicide ideation.
  - (B) Question the client directly about suicidal thought.
  - (C) Wait for the client to bring up the subject of suicide.
  - (D) Question the client about future plans.
98. A characteristic that would suggest that an adolescent may have bulimia would be
- (A) Frequent regurgitation & re-swallowing of food.
  - (B) Previous history of gastritis.
  - (C) Badly stained teeth.
  - (D) Positive body image.
99. A child with sickle cell anemia should receive lifelong therapy of
- (A) Penicillin.
  - (B) Prednisolone.
  - (C) Folate.
  - (D) Ferrous sulfate.
100. In colour-coded triage system, a sick child with green colour requires,
- (A) Home management.
  - (B) Urgent pre-referral treatment.
  - (C) Treatment at OPD.
  - (D) Emergency triad and treatment.

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94. The success of nonoral  
(A) - supply chain systems for delivery of vaccines and equipment  
(B) - protection of vaccine from sunlight  
(C) - protection of all vaccines from self-into temperature  
(D) - use of preservative to keep opened multi-dose vaccine
95. According to DSM-IV, the autistoid personality disorder is classified under  
(A) - Cluster A  
(B) - Cluster C  
(C) - Cluster D  
(D) - Cluster B
96. A nurse is caring for a male client with bipolar I disorder who has been hospitalized for 3 weeks. The client has been taking lithium carbonate 900 mg PO qd. The client's current lithium level is 1.2 mEq/L. The nurse should monitor the client for which of the following signs and symptoms?  
(A) - Tinnitus  
(B) - Blurred vision  
(C) - Increased thirst  
(D) - Increased urination
97. Which method would a nurse use to determine a client's potential risk for suicide?  
(A) - Observe the client's behavior for signs of suicidal ideation  
(B) - Obtain the client's history about suicidal ideation  
(C) - Ask the client to bring up the subject of suicide  
(D) - Confront the client about suicide risk
98. A characteristic that would suggest that an adolescent may be at risk for an eating disorder would be  
(A) - Frequent reevaluation of re-evaluation of food  
(B) - Frequent history of gastric  
(C) - Being skinnier than  
(D) - Being body image
99. A child with sickle cell anemia should receive which of the following?  
(A) - Folic acid  
(B) - Iron  
(C) - Vitamin K  
(D) - Vitamin B12
100. In order to avoid a transfusion reaction, a sickle cell child with group O blood type should receive  
(A) - Group O blood  
(B) - Group A blood  
(C) - Group B blood  
(D) - Group AB blood