

**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,  $\frac{1}{4}$  mark 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 the 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 letter), 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, docu-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**

Blank area for rough work.

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**PART - A**

1. Ventricular end diastole volume is called,  
(A) Preload (B) Cardiac output.  
(C) Venous return. (D) Cardiac cycle.
2. Which theory was proposed by Karl Marx ?  
(A) Fascism (B) Communism.  
(C) Socialism (D) Behaviourism.
3. Photo-sensitive organ of human eye is made up of :  
(A) Guanosine & retinol. (B) Opsin & retinal.  
(C) Opsin & retinol. (D) Transducing retinene.
4. \_\_\_\_\_ is a mechanical vector of human infections.  
(A) Mosquitoes (B) Ticks  
(C) Flies (D) Sarcinae
5. Frusemide is preferred over hydrochlorothiazide when hypertension is accompanied by,  
(A) Bronchial asthma. (B) Diabetes mellitus.  
(C) Hyper coagulopathy. (D) Congestive heart failure.
6. Which is the most important drug in the treatment of organophosphorus poisoning ?  
(A) Prednisolone. (B) Diazepam.  
(C) Atropine sulphate. (D) Adrenaline.
7. Immunity produced by antibody formation during the course of a disease is :  
(A) Active natural immunity. (B) Passive natural immunity.  
(C) Active artificial immunity. (D) Passive artificial immunity.
8. BRCA-1 is associated with which cancer ?  
(A) Thyroid. (B) Leukaemia.  
(C) Lung. (D) Breast.
9. The most common form of Down Syndrome is :  
(A) Nucleosome. (B) Trisomy 21.  
(C) Trisomy 19. (D) None of these

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10. What is the relationship of Sociology with Nursing ?
- (A) To provide solution of social problems.
  - (B) To provide total patient care.
  - (C) To enrich human culture.
  - (D) To provide solution of international problems.
11. Reduction of pH of blood will
- (A) Reduce the rate of heartbeat.
  - (B) Reduce blood supply to brain.
  - (C) Decrease affinity of haemoglobin with oxygen.
  - (D) Release bicarbonate ions by liver.
12. Serum level of drug is monitored by a nurse when the patient is on :
- (A) Lithium.
  - (B) Diazepam.
  - (C) Acetazolamide.
  - (D) Domperidone.
13. Clear vision depends on
- (A) Reflection of light rays, size of pupils & accommodation.
  - (B) Refraction of light rays, size of pupils & accommodation.
  - (C) Contraction of ciliary muscle & cornea.
  - (D) Vitreous body & cornea.
14. Mr. Sadhon Biswas is admitted in ophthalmic ward with blurring of vision and is diagnosed as a case of Glaucoma. Which of the following medications is contraindicated in the treatment of Glaucoma ?
- (A) Pilocarpine.
  - (B) Acetazolamide.
  - (C) Atropine sulphate.
  - (D) Xalatan.
15. Presence of pathogenic bacteria in blood is known as
- (A) Bacteraemia.
  - (B) Septicaemia.
  - (C) Toxaemia.
  - (D) All of these
16. Vomiting center is situated in the :
- (A) Hypothalamus.
  - (B) Amygdala.
  - (C) Pons.
  - (D) Medulla.

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17. A norm is a  
(A) Culture of a society. (B) Guideline for socialisation.  
(C) Specific guide to action. (D) Guideline for social interaction.
18. Which one is a comparatively poor source of ascorbic acid ?  
(A) Amla. (B) Guava.  
(C) Drumstick leave. (D) Amaranth leave.
19. The accepted ways of doing things together in personal contacts.  
(A) Custom. (B) Institution.  
(C) Folkways. (D) Culture.
20. Which cell organelle is responsible for hormone production ?  
(A) Centrioles. (B) Nucleus.  
(C) Mitochondria. (D) Golgi apparatus.
21. Use of latex gloves during blood collection protect us from :  
(A) Accidental needle injury (B) Microtome injury.  
(C) Patient asepsis. (D) Body fluid.
22. A drug which is generally administered in standard doses without being needed for dose individualization.  
(A) Prednisolone. (B) Mebendazole.  
(C) Digoxin. (D) Insulin.
23. Very low sodium diet is recommended for patients with :  
(A) Congestive cardiac failure. (B) Severe oedema.  
(C) Hypertension. (D) All the above.
24. The antidotes of Morphine sulphate is,  
(A) Naloxone hydrochloride. (B) Sodium sulphate.  
(C) Calcium hydrochloride. (D) None of the above.
25. Cardiac cycle needs how much time to complete ?  
(A) 0.06 second. (B) 1.2 second.  
(C) 0.5 second. (D) 0.8 second.

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26. Hormones that regulate the growth & consistency of size & shape of bones are all, except  
(A) Growth hormone. (B) Adrenalin.  
(C) Thyroxin. (D) Calcitonin.
27. Mr. Ranjan Sen, a 48 year gentleman is admitted in ICU with acute chest pain and is diagnosed as a case of Anterior Wall MI. To relieve his pain following medication will be administered to Mr. Sen :  
(A) Codeine sulphate. (B) Morphine sulphate.  
(C) Diclophenac sodium. (D) Pethidine hydrochloride.
28. Functions of nerve plexus found in layers of alimentary tract is  
(A) Digestion of food.  
(B) Elimination of food.  
(C) Contraction & relaxation of muscle to push the content of the tract forward.  
(D) To stimulate enzymatic secretion.
29. What precaution a nurse will take while administering Inj. KCl ? It should be administered,  
(A) IV bolus. (B) Short IV.  
(C) Fast IV infusion. (D) Slow IV infusion.
30. Which of the following medicines belongs to the group proton pump inhibitor ?  
(A) Ranitidine. (B) Sucralfate.  
(C) Rabeprazole. (D) Metoclopramide.
31. The causative organism of gas gangrene is  
(A) Clostridium tetani. (B) Clostridium botulinum.  
(C) Clostridium perfringens. (D) Corynebacterium.
32. Receptor sites for neurotransmitters are present on  
(A) Presynaptic membrane.  
(B) Tips of axons.  
(C) Post synaptic membrane.  
(D) Membrane of synaptic vesicle.

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33. Which one of the following is not a live attenuated vaccine ?  
(A) BCG. (B) Oral polio.  
(C) Measles. (D) Diphtheria.
34. Pellagra is the disease caused by the deficiency of :  
(A) Niacin. (B) Pyridoxine.  
(C) Thiamine. (D) Riboflavin.
35. Which of the following bone is L shaped ?  
(A) Maxilla. (B) Sternum.  
(C) Palatine. (D) Ethmoid.
36. The amount of blood per minute received by brain & heart in adult are respectively.  
(A) 1000 ml, 500 ml. (B) 750 ml, 250 ml.  
(C) 500 ml, 1000 ml. (D) 650 ml, 500 ml.
37. PEM is mostly widespread in India among children :  
(A) 6 months-3 years. (B) 3-5 years.  
(C) 5-10 years. (D) More than 10 years.
38. Which one of the following is a semi-essential amino acid ?  
(A) Methionine. (B) Arginine.  
(C) Tryptophan. (D) Lysine.
39. The drug of choice in treating Myasthenia gravis is :  
(A) Atropine sulphate. (B) Neostigmine.  
(C) Edrophonium chloride. (D) Calcium carbonate.
40. Social change refers to change in  
(A) Dress. (B) Food habits.  
(C) Value system. (D) Habitation pattern.

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**PART – B**

41. A patient in terminal phase is admitted to a hospice centre for which type of care ?  
(A) Palliative care. (B) Curative care.  
(C) Primary care. (D) Emergency care.
42. The colour of amniotic fluid is :  
(A) Clear pale straw colour. (B) Dark colour.  
(C) Yellow colour. (D) None.
43. Most common hematologic problem in pregnancy :  
(A) Hypertension. (B) Anaemia.  
(C) Polycythaemia. (D) Coagulation disorder.
44. During the initial phase of the nurse client relationship, which of the following should occur ?  
(A) Encouraging verbalization of feelings.  
(B) Establishing therapeutic contact.  
(C) Exploring alternate behaviours.  
(D) Evaluating plan of action.
45. Latest inclusion in community health is :  
(A) Felt need of people. (B) At doorstep.  
(C) Economical. (D) Community Participation.
46. Risk factors of developing Spontaneous Pneumothorax includes :  
(A) Barotrauma. (B) Cocaine use.  
(C) Malignancy. (D) All of these
47. International Women's Day is observed every year :  
(A) 27<sup>th</sup> February. (B) 8<sup>th</sup> March.  
(C) 23<sup>rd</sup> February. (D) 3<sup>rd</sup> August.
48. Forceful, goal-directed action along with rage, anger or hostility is termed as :  
(A) Aggression. (B) Cationic rigidity.  
(C) Convulsion. (D) Denial.



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49. In Vitamin A prophylaxis program, the dose of Vitamin A administered is :  
(A) 3,00,000 IU. (B) 1,50,000 IU.  
(C) 2,00,000 IU. (D) 2,50,000 IU.
50. How does the nurse pull the patient's ear when administering ear drops to a 8-year old baby ?  
(A) Outward. (B) Back.  
(C) Upward and back. (D) Upward and outward.
51. The 1<sup>st</sup> dose of MR vaccine to be administered at the age of :  
(A) 16-24 months. (B) 9-12 months.  
(C) 12-16 months. (D) 24-32 months.
52. At present the sex-ratio in India is :  
(A) 943 (B) 87  
(C) 933 (D) 1084
53. Persistent & recurrent thought, idea or impulse that can be eliminated from consciousness by logic or reasoning is known as :  
(A) Over activity. (B) Obsession.  
(C) Phobia. (D) Orientation.
54. A patient scheduled for Electroconvulsive Therapy (ECT) at 9:00 a.m. is discovered eating breakfast at 8:00 a.m. On the basis of this observation, the most appropriate nursing action is :  
(A) The nurse gives notice to the patient's physician of the situation & cancels the ECT.  
(B) The nurse removes the breakfast tray & assists the patient to the ECT procedure room.  
(C) The nurse allows the patient to finish breakfast & reschedules ECT for 10:00 a.m.  
(D) The nurse increases the patient's fluid intake to facilitate the digestive process.
55. Most common cause of IMR in India  
(A) ARI. (B) Congenital heart disease.  
(C) LBW. (D) Diarrhoea.

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56. The hallmark of acute ventilator failure is :
- (A) An elevated  $\text{paCO}_2$ . (B) An elevated  $\text{paO}_2$ .  
(C) An elevated  $\text{saO}_2$ . (D) An elevated  $\text{spO}_2$ .
57. Immunoglobulin abundantly present in human milk is :
- (A) IgG. (B) IgM.  
(C) IgA. (D) IgE.
58. Clay colored stools indicate :
- (A) Upper GI bleeding. (B) Impending constipation.  
(C) An effect of medication. (D) Bile obstruction.
59. Disability limitation is mode of intervention for :
- (A) Primordial prevention. (B) Primary prevention.  
(C) Secondary prevention. (D) Tertiary prevention.
60. The total score in APGAR rating system is :
- (A) 5 (B) 8  
(C) 10 (D) 14
61. Followings are the risk factors for complications associated with NSAID use, except :
- (A) Age older than 60 years. (B) Obesity.  
(C) Concomitant use of corticosteroids. (D) Tobacco use.
62. A patient is experiencing anxiety attack. The most appropriate nursing intervention should include :
- (A) Turning on the television.  
(B) Leaving the client alone.  
(C) Staying with the client & speak in short sentences.  
(D) Ask the client to play with other clients.
63. All of the following measures are to be taken in the event of a cholera out-break in a rural community, EXCEPT :
- (A) Notification to the district authorities.  
(B) Management of cases by oral re- hydration and tetracycline.  
(C) Vaccination of the risk population of the community.  
(D) Chlorination of wells.

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64. Psycho-pathological repeating of words of one person by another is known as :
- (A) Emotion. (B) Elation.  
(C) Echolalia. (D) Enuresis.
65. In case of acute G.I. Bleeding, fluid replacement should begin immediately with
- (A) 250 to 1000 ml of crystalloid fluid.  
(B) 500 to 1500 ml of colloidal fluid.  
(C) 500 to 1000 ml of fresh frozen plasma (FFP).  
(D) None of these
66. The valves of heart open and close in response to :
- (A) Pressure Gradients. (B) Low Oxygen Saturation.  
(C) High Carbon dioxide Saturation. (D) Cardiac Muscle Contraction.
67. Conscious recognition of one's own maladaptive behaviour is known as :
- (A) Insomnia. (B) Insight.  
(C) Incoherence. (D) Intelligence.
68. Mental Health Law of Government of India has started from the year :
- (A) 1858 (B) 1912  
(C) 1987 (D) 2017
69. The most common post-partum psychosis is :
- (A) Mania. (B) Dementia.  
(C) Depression. (D) Schizophrenia.
70. Pathological compulsion to steal is known as :
- (A) Kleptomania (B) Hypomania  
(C) Impaired judgement (D) Intoxication
71. Which of the following blood tests should be performed before a blood transfusion ?
- (A) Prothrombin and coagulation time.  
(B) Blood typing and cross-matching.  
(C) Bleeding and clotting time.  
(D) Complete blood count (CBC) and electrolyte levels.

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72. Most common cause of maternal mortality in India :
- (A) Infection. (B) Hemorrhage.  
(C) Hypertension. (D) Thrombosis.
73. Which of the following is most specific of psychosis ?
- (A) Pressure of speech. (B) Neologism.  
(C) Incoherence. (D) Perseveration.
74. Who collaborates directly with the client to establish and implement a plan of care ?
- (A) Primary nurse. (B) Nurse clinicians.  
(C) Clinical specialist. (D) Nurse coordinator.
75. Which among the following is NOT a complication of twin pregnancy ?
- (A) Low birth weight. (B) Post maturity.  
(C) Abortion. (D) Chromosomal abnormality.
76. Neural tube defect can be prevented by administering :
- (A) Pre-natal folic acid. (B) Ante-natal Phenobarbitone.  
(C) Post-natal folic acid therapy. (D) None of the above.
77. The prognosis for patients with shock depends on the following factors except :
- (A) The type of shock. (B) The cause of shock.  
(C) The length of the shock state. (D) Pre-existing patient factors.
78. Followings are the nursing intervention for the patient at risk for injury from low red blood cell count, except :
- (A) Avoid prolonged tourniquet use.  
(B) Elevate the patient's head on pillows for shortness of breath.  
(C) Allow for rest between periods of activity.  
(D) Provide extra blankets if the patient feels too cool.
79. Which of the following developmental milestones is expected from a 2 year old child ?
- (A) Uses a spoon to eat. (B) Uses a cup to drink.  
(C) Uses a knife for cutting food. (D) Pour milk into a cup.

80. Highest diameter of fetal skull is  
(A) Mento-vertical. (B) Submento-vertical.  
(C) Suboccipito-bregmatic. (D) Submento-bregmatic.
81. Most common side-effect of IUCD use is  
(A) Ectopic pregnancy. (B) Uterine rupture.  
(C) Excessive menstrual flow. (D) Expulsion of IUCD.
82. As defined by Freud, the ego is that part of the mind that contains :  
(A) The basic instincts & urges.  
(B) The conscience.  
(C) The ability to respond to the realities of everyday life.  
(D) All elements of the holistic person.
83. Tetralogy of Fallot is characterized by :  
(A) Pulmonary stenosis, VSD, overriding of aorta, right ventricular hypertrophy.  
(B) ASD, VSD, overriding of aorta, right ventricular hypertrophy.  
(C) Pulmonary stenosis, VSD, overriding of aorta, left ventricular hypertrophy.  
(D) Pulmonary stenosis, VSD, ASD, overriding of aorta.
84. Which of the following statements about chest X-ray is false ?  
(A) Before the procedure, the patient should remove all jewelry, metallic objects & buttons above the waist.  
(B) A signed consent is not required.  
(C) Eating, drinking & medications are allowed before this test.  
(D) No contradictions exist for this test.
85. Psychosocial theory is propounded by :  
(A) Sigmund Freud. (B) Erick Erickson.  
(C) Jean Peaget. (D) None of these
86. Mid-Day Meal programme was started in India :  
(A) 1961 (B) 1981  
(C) 1991 (D) 2001

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87. The umbilical cord contains following blood vessels :
- (A) Two arteries & one vein. (B) One artery & one vein.  
(C) Two veins & one artery. (D) Two veins only.
88. Living standard of people is best assessed by :
- (A) IMR. (B) MMR.  
(C) Physical quality of life index. (D) Death rate.
89. The major contribution in amniotic fluid is by :
- (A) Fetal urine. (B) Fetal plasma.  
(C) Mother's plasma. (D) Mother's urine.
90. Biomedical concept of health is based on :
- (A) Germ theory of disease.  
(B) Absence of pain.  
(C) Social and Psychological factors.  
(D) Equilibrium between man and environment.
91. The type of play a toddler is engaged in :
- (A) Solitary play. (B) Co-operative play.  
(C) Parallel play. (D) Group play.
92. A high pitched cry is seen in :
- (A) Hunger. (B) Anger.  
(C) Maternal deprivation. (D) Intracranial tension.
93. Which of the following is a sign or symptom of a hemolytic reaction to blood transfusion ?
- (A) Hemoglobinurea. (B) Chest pain.  
(C) Urticaria. (D) Distended neck vein.
94. The two blood vessels most commonly used for TPN infusion are the :
- (A) Subclavian & jugular veins.  
(B) Brachial & subclavian veins.  
(C) Femoral & subclavian veins.  
(D) Brachial & femoral veins.

95. A patient who refuses to take bath stating that water & soap are poisoned is a typical example of :
- (A) Suicidal ideation. (B) Delusion.  
(C) Negativism. (D) Hallucination.
96. 50% glucose and regular insulin is used for the management of Hyperkalemia because it :
- (A) Stabilizes the irritability of cardiac muscle.  
(B) Improves metabolic acidosis.  
(C) Transports  $K^+$  from extracellular to intracellular compartment.  
(D) Binds the  $K^+$  ion for excretion in the feces.
97. Life span of fetal RBC
- (A) 50 days. (B) 80 days.  
(C) 100 days. (D) 120 days.
98. Early breast cancer detection in asymptomatic individuals above 40 years of age include :
- (A) Clinical breast examination by health professional every 3 years interval.  
(B) Annual mammogram.  
(C) Annual pap test.  
(D) Endometrial biopsy.
99. By which the effectiveness of nurse client communication is best validated ?
- (A) Client feedback.  
(B) Medical assessment.  
(C) Health team conferences.  
(D) Client's physiologic adaptations.
100. Unconscious defence mechanism in which the person undergoes a partial or total return to earlier patterns of adaptation; is known as :
- (A) Regression. (B) Repression.  
(C) Reaction formation. (D) Perception.

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