

**ODISHA NURSES AND MIDWIVES' EXAMINATION BOARD**

**ENTRANCE EXAMINATION**

**PBBSC NURSING 2022**

Time 3 hours

Full Mark – 600

Answer all questions on the OMR Answer sheet provided.

Do not answer / write on the question booklet.

---

**INSTRUCTIONS**

1. This is the Question Booklet containing 150 multiple choice questions.
2. Do not answer on this Question Booklet.
3. Do not write name or roll number on this booklet.
4. A separate answer sheet (OMR) is provided.
5. Write the roll no, name and institution name in the OMR sheet as instructed.
6. Each questing has four choices out of which only one is correct.
7. Answer the correct choice in the OMR sheet.
8. Each correct answer carries FOUR marks.
9. At the end of examination submit the Question Booklet along with the OMR sheet to the invigilator.
10. Use only black ball point pen to answer the OMR sheet.
11. Malpractice of any nature is strictly prohibited and if found the answer sheet shall be scratched.

Sd/-

CHAIRMAN ONMEB

THE UNIVERSITY OF CHICAGO

DEPARTMENT OF CHEMISTRY

CHICAGO, ILL.

1900-1901

THE UNIVERSITY OF CHICAGO

DEPARTMENT OF CHEMISTRY

CHICAGO, ILL.

THE UNIVERSITY OF CHICAGO

DEPARTMENT OF CHEMISTRY

CHICAGO, ILL.

DEPARTMENT OF CHEMISTRY

CHICAGO, ILL.

1900-1901

THE UNIVERSITY OF CHICAGO

DEPARTMENT OF CHEMISTRY

CHICAGO, ILL.

DEPARTMENT OF CHEMISTRY

CHICAGO, ILL.

DEPARTMENT OF CHEMISTRY

CHICAGO, ILL.

1900-1901

CHICAGO, ILL.

DEPARTMENT OF CHEMISTRY

CHICAGO, ILL.

### QUESTIONS

1. Which sign is an early indicator of hypoxia in the unconscious client
  - a. Cyanosis
  - b. Decreased respirations
  - c. Restlessness
  - d. Hypotension
2. Factor essential for absorption of vitamin B12 is
  - a. Pepsin
  - b. Renin
  - c. Intrinsic factor
  - d. Extrinsic factor
3. Pancreatic juice contains the following except
  - a. Trypsinogen
  - b. Chymotrypsinogen
  - c. Lipase
  - d. Trypsin
4. Caissons disease is seen in
  - a. Pilots
  - b. Doctors
  - c. Divers
  - d. Engineers
5. Kuppfer cells are
  - a. Present in the liver
  - b. Protective in function
  - c. Modified macrophages
  - d. All
6. The enzyme markedly increased in obstructive jaundice is
  - a. SGOT
  - b. SGPT
  - c. CCK-MB
  - d. Alkaline phosphatase
7. Henel's loop is present in the
  - a. Intestine
  - b. Liver
  - c. Stomach
  - d. Kidney

8. A high level of creatinine indicates
- Kidney failure
  - Heart failure
  - Liver failure
  - None
9. The part of the brain that has the glial cells
- Pia matter
  - Dura matter
  - Arachnoid membrane
  - Grey matter
- Ans-(c) Arachnoid membrane
10. Calcitonin is produced by
- Thyroid hormone
  - Parathyroid hormone
  - Pituitary hormone
  - Pancreatic hormone
11. Adrenal cortical hormones are
- Steroids
  - Polypeptides
  - Glycolipids
  - Carbohydrates
12. Zona glomerulosa of adrenal cortex contains
- Sex hormones
  - Glucocorticoids
  - Mineral corticoids
  - Noradrenaline
13. Aldosterone is chiefly secreted by
- Zone fasciculate
  - Zona reticularis
  - Zona glomerulosa
  - Zona intermedialis
14. Somatostatin is a hormone found in
- Brain
  - Pancreas
  - GIT
  - All the above

15. Trousseau's sign is test for detecting

- a) Tetanus
- b) Tetany
- c) Cretinism
- d) Cushing's syndrome

16. Disturbed taste sensation is

- a) Ageusia
- b) Dysgeusia
- c) Hypogeusia
- d) Anosmia

17. Spermatozoa are formed in

- a) Vas deferens
- b) Prostate gland
- c) Leydig cells
- d) Seminal vesicle

18. The cells of the testis, which produce testosterone are

- a) Sertoli cells
- b) Leydig cells
- c) Kupffer cells
- d) Parietal cells

19. Largest lymphatic organ is

- a) Spleen
- b) Thymus
- c) Kidney
- d) Liver

20. Which structure helps in changing the thickness of eye lens

- a) Iris
- b) Ciliary body
- c) Choroids
- d) Sclera

21. LAMA stands for

- a) Limited access to medical advice
- b) Left against medical advice
- c) Leave application for medical advice
- d) All of the above

22. Intraosseous means

- a) Drug administration into bone marrow
- b) Injection
- c) Dressing
- d) None

23. The founder of modern nursing is

- a) Virginia Henderson
- b) Mother Theresa
- c) Sister Diana
- d) Florence Nightingale

24. The nursing ethic was formulated by

- a) INC
- b) TNAI
- c) ICM
- d) ICN

25. Freedom from infection (or) prevention of contact with microorganisms is known

- a) Sepsis
- b) Septicemia
- c) Anemia
- d) Asepsis

26. NANDA stands for

- a) North Australian Nursing Diagnosis Association
- b) North African Nursing Diagnosis Association
- c) North American Nursing Diagnosis Association
- d) All of the above

27. The minimum urinary output for an adult in one hour should be

- a) 30 mL/hr
- b) 70 mL/hr
- c) 20 mL/hr
- d) 100 mL/hr

28. The term athletic foot is

- a) Irritation characterized by itching, burning skin caused by fungus
- b) A sports women foot
- c) A sports man foot
- d) None

29. Skeletal traction is

- a) Steinmann pin, Kirschner wire
- b) Skeleton
- c) Russell traction
- d) None of the above

30. Solution used in oral care includes all except

- a) KMNO<sub>4</sub>
- b) H<sub>2</sub>O<sub>2</sub>
- c) Betadine
- d) Lemon juice

31. Mummy restraints are used in

- a) Adolescents
- b) Adults
- c) Old age patient
- d) Small children

32. Trendelenburg position is used to prevent

- a) Shock
- b) Aspiration
- c) Dyspnea
- d) Backache

33. Needle stick safety and prevention Act was passed into law in

- a) November 2000
- b) December 1998
- c) November 2002
- d) April 2010

34. Self-care deficit theory is propounded by

- a) Dorothea E Orem
- b) Virginia Henderson
- c) Both a and b
- d) None of the above

35. Diuretics

- a) Increase the flow of urine
- b) Decrease the flow of urine
- c) Both of a and b
- d) None of the above

36. The nasal cannula can deliver the oxygen at a flow rate of liters per minute
- 2
  - 4
  - 6
  - 8
37. The pain which is reduced by one of the various neurosurgical procedures is known
- Acute Pain
  - Phantom limb pain
  - Chronic pain
  - Intractable pain
38. "Contraction alkalosis" is the other name of
- Respiratory acidosis
  - Metabolic acidosis
  - Metabolic alkalosis
  - Respiratory alkalosis
39. The abnormal sweetish and fruity odor following urination indicates presence of one of the following
- Bile salts
  - Acetone
  - Acids
  - Albumin
40. Sudden, irresistible sleep attack is termed as
- Somnambulism
  - Narcolepsy
  - Hypersomnia
  - Insomnia
41. Bruxism refers to
- Nightmares
  - Nocturnal enuresis
  - Sleep walking
  - Tooth grinding
42. Fungating lesion on the sole of foot caused by a papilloma virus is called
- Plantar warts
  - Corns



- c) Callus
- d) Paronychia

43. Most appropriate time for IUD insertion is

- a) Mid cycle menstruation
- b) Within 10 days of menstruation (Last Day)
- c) Any time of menstrual cycle
- d) Just immediate after menstruation

44. Multi load device refers to

- a) First generation IUCD
- b) Second generation IUCD
- c) Oral contraceptive
- d) Barrier contraceptives

45. Mini pill contains

- a) Only progesterone in small quantity
- b) Progesterone and estrogen in small quantity
- c) Estrogen in small quantity and progesterone in large quantity

46. Hepatitis B is otherwise known as

- a) Viral hepatitis
- b) Serum hepatitis
- c) Bacterial hepatitis
- d) None of this

47. The commonest mode of transmission of hookworm is

- a) Mechanical vector
- b) Percutaneous
- c) Faeco-oral
- d) All the above

48. Medical rehabilitation means

- a) Restoring and retaining the functional ability of an individual
- b) Making an individual capable to earn his livelihood
- c) Restoring family and social relationship
- d) Restoring the dignity and confidence of disabled individual

49. Human papilloma virus causes following tumors

- a) Hepatic carcinoma
- b) Cervical Cancer
- c) Condyloma acuminatum

- d) Plantar wart
50. Salmonella which can cause prolong septicemia
- a) Salmonella anatum
  - b) Salmonella choleraesuis
  - c) Salmonella typhimurium
  - d) Salmonella enteritidis
51. The largest white blood cell is
- a. Eosinophil
  - b. Monocyte
  - c. Basophil
  - d. Lymphocyte
52. "Sinoatrial" node of heart is located at
- a. Right atrium
  - b. Left atrium
  - c. Right ventricle
  - d. Left ventricle
53. For effective sterilization, steam in an autoclave should be at a pressure of 15 pounds per square inch for 30 minutes and a temperature of
- a. 100 Degree Celsius
  - b. 110 Degree Celsius
  - c. 121 Degree Celsius
  - d. 131 Degree Celsius
54. "Haversian Canals" are found in
- a. Bones
  - b. Brain
  - c. Kidney
  - d. Lung
55. Significant components of personality as described by Sigmund Freud is/are
- a. Conscious, pre conscious & Subconscious
  - b. Id, ego and superego
  - c. Defense mechanism
  - d. Dream interpretation
56. Urine sample for culture is collected from
- a) First urine
  - b) Last urine

- c) Mid-stream urine
- d) First and Last urine

57.The actual gas exchange with blood occurs in the

- a. Bronchus
- b. Respiratory bronchioles
- c. Terminal bronchioles
- d. Alveolar duct and alveoli

58.The part of nursing process that includes the statement of patient's actual problems is

- a. Nursing Assessment
- b. Planning
- c. Nursing Diagnosis
- d. Nursing Intervention

59.While administering medication to patients, though it is painful, but provides benefits of protection from diseases, the ethical principle involved in this situation is

- a. Non maleficence
- b. Beneficence
- c. Fidelity
- d. Autonomy

60.The best time to do a breast self-examination is

- a. During menses
- b. Any time
- c. Mid cycles
- d. Post menses

61.Easily accessible site for checking pulse is

- a. Temporal
- b. Radial
- c. Femoral
- d. Popliteal

62.The proper positioning of the patient to obtain cervical swab for PAP smear is

- a. Lithotomy position
- b. Prone position
- c. Supine position
- d. Lateral position

63. For brushing the teeth, Patient should hold the toothbrush bristles to gum line at
- 90-degree angle
  - 45-degree angle
  - 60-degree angle
  - 30-degree angle
64. The type of bandaging commonly used from HEAD TO TOE due to its quality of beingfolded into any size is
- Tube bandage
  - Tailed bandage
  - Gauge bandage
  - Triangular bandage
65. A nurse midwives put the newborn baby on weighing scales to check the weight after delivery. The method of heat loss by this activity is
- Conduction
  - Convection
  - Evaporation
  - Radiation
66. The maintenance of fluid requirements for children up to 10kg body weight is
- 150 ml/kg/day
  - 120 ml/kg/day
  - 80 ml/kg/day
  - 100 ml/kg/day
67. The type of burn where blister with clear fluid is formed, skin is swollen red and pain is present
- First degree burn
  - Second degree burn
  - Third degree burn
  - Fourth degree burn
68. The process of functional and physiological maturation of the individual is known as
- Growth
  - Development
  - Maturation
  - Intelligence
69. The normal term newborn baby's heart rate ranges between
- 120-140 beats/min

- b. 120-160 beats/min
- c. 100-140 beats/min
- d. 100 -160 beats/min

70. An emergency technique used to provide first aid of upper airway obstruction by foreign bodies is

- a. Triage
- b. Reassurance
- c. Heimlich Maneuver
- d. Cardio pulmonary Resuscitation

71. The normal findings on palpation of lymph node are

- a. Hard, fixed nodes
- b. Firm, mobile nodes
- c. Enlarged, tender nodes
- d. Hard, non-tender nodes

72. The primary purpose of hospice is to

- a. Allow patient to die at home
- b. Provide better quality of care than the family can
- c. Co-ordinate care for dying patients and their families
- d. Provide comfort and support for dying patients and their families

73. The measure of central tendency that is computed by summing all the scores of a study and dividing by the number of subjects is called as

- a. Median
- b. Mean
- c. Mode
- d. Normal distribution

74. Vitamin D is also known as

- a. Tocopherol
- b. Calciferol
- c. Retinol
- d. Biotin

75. All are the role of family in health and disease except

- a. Child rearing practices
- b. Socialization
- c. Development of individual personality
- d. Divorce

76. Dietary risk factors for cancer at various sites in the human body is due to all except
- High fat diet
  - Eating fresh fruits and vegetables
  - Use of salted and smoked food
  - High intake of alcohol
77. All are the elements of secondary group except
- Large in size
  - Indirect cooperation
  - Informal structure
  - Superficial relationship
78. An objective description of pupil behavior in a particular environmental setting interpreted for future action is known as
- Autobiography
  - Anecdotal record
  - Case study
  - Cumulative record
79. The newborn requires some assistance to begin breathing at birth is approximately
- 90 percentage
  - 10 percentage
  - 30 percentage
  - 20 percentage
80. To assess the adequacy of breast feeding of a baby includes all except
- Passes urine 6 - 8 times in 24 hours
  - Sleep for 2-3 hours after feeds
  - Gains weight @10- 15 gm/kg/ day
  - Infant suckles for short time but tires out
81. The largest outreach program for care & developing preschool children is
- BFHI
  - IMNCI
  - ICDS
  - EPI
82. The essential mineral for building caries-resistant teeth in a child is
- Chlorine
  - Fluoride

- c. Calcium
  - d. Magnesium
83. The minimal level of damage due to disaster for management plan during response phase is considered as
- a. Level- I disaster
  - b. Level- II disaster
  - c. Level- III disaster
  - d. Level- IV disaster
84. The motility of bacteria can be observed by
- a. Gram staining
  - b. Acid fast staining
  - c. Simple staining
  - d. Hanging Drop Preparation
85. The act that is recommended for provision of creches for women in factory
- a. ESI Act 1948
  - b. The Indian Mines Act 1923
  - c. The Factories Act 1976
  - d. CGHS
86. The largest salivary gland in the body is
- a. Parotid gland
  - b. Sub lingual gland
  - c. Sub mandibular gland
  - d. Pancreas
87. Guillain barre syndrome is a disease of which of the following
- a. Brain
  - b. Spinal cord
  - c. Peripheral nerve
  - d. kidney
88. "Farmer's lung" is due to inhalation of
- a. Cotton fiber
  - b. Sugarcane dust
  - c. Hay dust
  - d. Coal dust
89. Preservative added in DPT vaccine is
- a. Zinc Phosphate

- b. Aluminum Phosphate
- c.  $\text{MgSO}_4$
- d.  $\text{ZnSO}_4$

90. The continuous scrutiny of health indices that determine occurrence of disease is called

- a. Eradication
- b. Elimination
- c. Surveillance
- d. Community assessment

91. Floating tip of iceberg indicates

- a. Subclinical cases
- b. Clinical cases
- c. Fatal cases
- d. Unidentified cases

92. The type of burn in which skin is completely damaged

- a. First degree
- b. Second degree
- c. Third degree
- d. Fourth degree

93. Softening of the cervix during pregnancy is termed as

- a. Jacquemier's sign
- b. Oslander's sign
- c. Goodell's sign
- d. Hegar's sign

94. A female who has given birth to one viable child is termed as

- a. Primi para
- b. Multipara
- c. Nullipara
- d. Primigravida

95. Post-partum hemorrhage can be effectively managed by following methods except.

- a. Bimanual uterine compression
- b. Administration of oxytocin
- c. Controlled cord traction
- d. Administration of progesterone



96. Human milk is rich in all except

- a. Vitamin A
- b. Vitamin E
- c. Vitamin C
- d. Iron

97. Pathological repetition, involving imitation of speech of another person is termed as

- a. Enuresis
- b. Echolalia
- c. Encopresis
- d. Echopraxia

98. Narcolepsy means

- a. Sleep apnea
- b. Sleep related enuresis
- c. Sleep drunkenness
- d. Excessive day time sleep

99. Process recording means

- a. A written document of patient education
- b. A written document of patient care
- c. A written document of verbal interaction with the patient
- d. A written document of abnormal patient behavior

100. Decentralization of authority and decision-making power to accomplish the task

- a. Authority
- b. Responsibility
- c. Accountability
- d. Delegation

101. The causative organism of syphilis is

- a. Hemophilus decloyed
- b. T. Vaginalis
- c. Trepanemapallidum
- d. Candia albicans

102. Maternal death means

- a. Death of the mother after 1 week of delivery due to pregnancy related cause

- b. Death of the mother during delivery or before delivery.
  - c. Death of the mother just after delivery, within 6 weeks of delivery due to pregnancy related cause
  - d. Death of the mother in antenatal period, during delivery & within 6 weeks of delivery due to pregnancy related cause
103. What is the name of causative agent of kala-azar
- a. Leishmania
  - b. Aedes aegypti
  - c. Culicine
  - d. Rotta
104. \_\_\_\_\_ mosquito is responsible for spread of Japanese encephalitis.
- a. W. bancrofti
  - b. P. Malaria
  - c. Culicine
  - d. P. Ovale
105. Under ICDS, one anganwadi worker is appointed for
- a. 1000 population
  - b. 1500 population
  - c. 2000 population
  - d. 500 population
106. As prevention and control of filariasis, mass blood survey should be done. For this which film slide is taken at night.
- a. Thick film
  - b. Thin film
  - c. Dense film
  - d. Irregular film
107. A graphic representation of a family system is called
- a. Genogram
  - b. Genetics
  - c. Geno graph
  - d. Gerontology
108. The primary effect of hot application is
- a. Vasoconstriction
  - b. Vaso congestion
  - c. Vasodilation
  - d. Vasopressin

109. Ideal temperature of water used in sitz bath is
- 110°- 115
  - 101° -105°f
  - 1060-109°f
  - 1150-117 f
110. Reagent used to check urine sugar is
- Hypo chloride solution
  - MgSO<sub>4</sub>
  - Benedict solution
  - Potassium chloride
111. Position used for giving enema is
- Right lateral
  - Supine
  - Left lateral
  - Prone
112. Agents which will help to relieve allergies is
- Antihistamines
  - Antibiotics
  - Anticoagulants
  - Antiseptics
113. Movement of the body away from midline is called
- Abduction
  - Adduction
  - Flexion
  - 12Extension
114. When the ice bag is applied to fever patients, the heat of the patient's body is transmitted by
- Conduction
  - Convection
  - Radiation
  - Evaporation
115. The term schizophrenia is coined by
- Linda Richard
  - Eugene Bleuler

- c. Pythagoras
- d. Plato

116. whois the "father of American psychiatry"

- a. Hippocrates
- b. Benjamin Rush
- c. Renaissance
- d. Aristotle

117. Main function of epithelial tissue is:

- a. Protection
- b. Contraction
- c. Storage
- d. Nutrition

118. single layer of flattened cell is called:

- a. simple squamous epithelium
- b. simple cuboidal epithelium
- c. simple columnar epithelium
- d. ciliated columnar epithelium

119. \_\_\_\_\_ is an example for the disease caused by bacteria.

- a. Cold
- b. Typhoid
- c. Typhus fever
- d. Chicken pox

120. \_\_\_\_\_ is the immunity get by the body after the first attack of disease or by immunization.

- a. Natural immunity
- b. Passive immunity
- c. Herd immunity
- d. Active immunity

121. Typhoid is transmitted through -

- a. Water and food
- b. Air
- c. Touch
- d. Personal contact

122. The time interval between entry of infection to the suspected person and the appearance of signs and symptom of the disease is called
- Quarantine
  - Recovery period
  - Incubation period
  - Isolation period
123. Which of the following terms refers to the backside of the body in anatomical position?
- Ventral or anterior
  - Back or rear
  - Posterior or dorsal
  - Medical or lateral
124. The muscle which separates the abdominal cavity from the thoracic cavity is:
- External intercostal
  - Internal intercostal
  - Diaphragm
  - Periosteum
125. In T.B Which drug is bacteriostatic in nature that is used in combination to prevent the emergence resistance to other drugs?
- Streptomycin
  - Ethambutol
  - RIF
  - Dapson
126. Fluid & electrolyte balance of body is termed as
- Hemostasis
  - Homeostasis
  - Thermogenesis
  - Thermoregulation
127. For prevention of IDD the amount of iodine in salt consumed should not less than
- 30 ppm
  - 15 ppm
  - 20 ppm
  - 25 ppm

128. The percentage of total calories obtained from carbohydrates in developing countries is
- 15-20%
  - 20-35%
  - 60-70%
  - 40-50%
129. Cooking of food in water below boiling point of water is
- Boiling
  - Simmering
  - Frying
  - Roasting
130. Which one of the following is the correct formula for calculating a person's body mass index (BMI)?
- Weight in kg divided by height in meters
  - Weight in kg divided by height in meters square
  - Weight in Kg x height in meters
  - Weight in pound divided by height in meters square
131. When storing the thermometer, it should be
- Store in any disinfectant solution
  - Store in their container after clean & dry
  - Store in Dettol with bulb down
  - Store in Dettol
132. In which fever the body temperature does not vary more than 2°C between morning & evening & does not each normal for days or weeks.
- Inverse fever
  - Intermittent fever
  - Remittent fever
  - Constant fever or continuous fever
133. Hallucination is a disorder of
- Consciousness
  - Memory
  - Perception
  - Thought

134. There is one heart beat & two arterial pulsation giving the sensation of double beat which is called
- Extra systole
  - Pulse deficit
  - Dicrotic pulse
  - Pulse pressure
135. Introduction of fluid into the rectum is
- Enema
  - Ingestion
  - Insertion
  - Intrathecal
136. Temperature of solution used for evacuate enema for adult is
- 105° -110of
  - 110° – 112°F
  - 115°– 118°F
  - 1180-120°F
137. The substance that inhibits the growth of bacteria is
- Antibiotic
  - Antiseptic
  - Sterilization
  - Disinfection
138. Lochia rubra normally observed up to how many days of postpartum?
- 1-4 days
  - 1-6 days
  - 5-9 days
  - 6-10 days
139. During which stage of labour placenta is delivered -
- Stage - 1
  - Stage - 2
  - Stage – 3
  - Stage - 4
140. A drug that causes contraction of tissues & arrest discharge is called
- Astringent
  - Carminative

- c. Cathartic
  - d. Cholagogues
141. In hypovolemic shock due to <20% whole blood volume loss, the initial physiologic response would be
- a. Peripheral vasoconstriction
  - b. Decreased perfusion to kidney, intestine & pancreas
  - c. Decrease perfusion to heart & brain
  - d. Peripheral vasodilation
142. Longest incubation period among the following disease is
- a. Malaria
  - b. Hepatitis
  - c. Leprosy
  - d. Filaria
143. Which one of the following diseases does not spread by infected droplets?
- a. Poliomyelitis
  - b. Chicken pox
  - c. Mumps
  - d. Measles
144. Hardness of water due to the presence of soluble bicarbonates of calcium and magnesium is called
- a. Temporary Hardness
  - b. Permanent Hardness
  - c. Hard water
  - d. insoluble salts water
145. When disease occurs in scattered populations, this is called
- a. Epidemic
  - b. Endemic
  - c. Pandemic
  - d. Sporadic
146. Content of blood vessels in umbilical cord
- a. Two arteries and one vein
  - b. One artery and one vein
  - c. Two veins and one artery
  - d. Two veins only



147. The world AIDS Day is celebrated on
- April 7th
  - March 1st
  - July 1<sup>st</sup>
  - December 1<sup>st</sup>
148. A sub-center cater population in plain areas
- 1000
  - 3000
  - 5000
  - 10000
149. The drug used for tuberculosis include all except
- rifampicin
  - ethambutol
  - isoniazid
  - dapsone
150. Aspiration of amniotic fluid for examination is termed as
- Polysynthesis
  - Hydro synthesis
  - Amniocentesis
  - Amnionitis

\*\*\*

