

**ODISHA NURSES AND MIDWIVES' EXAMINATION BOARD**

**ENTRANCE EXAMINATION**

**MSC 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.

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**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 question 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



**QUESTIONS**

1. The common site of ectopic pregnancy is
  - a) cervical pregnancy
  - b) abdominal pregnancy
  - c) tubal pregnancy
  - d) ovarian pregnancy
2. Tenderness of McBurney's point is suggestive of
  - a) acute gastritis
  - b) acute pancreatitis
  - c) acute cholecystitis
  - d) acute appendicitis
3. Normal tidal volume of lung is
  - a) 250 ml
  - b) 1000ml
  - c) 750 ml
  - d) 500ml
4. Stain used to identify acid fast bacilli is
  - a) Leishman
  - b) Ziehl-Neelsen
  - c) Giemsa
  - d) Wrights
5. Which hormone is responsible for the stimulation of uterine contraction
  - a) Progesterone
  - b) Oxytocin
  - c) Estrogen
  - d) FSH
6. The normal weight of placenta at term is
  - a) 1000 grams
  - b) 500 grams
  - c) 800 grams
  - d) 100 grams

7. HELLP syndrome stands for
  - a) Hemoglobinemia elevated leukocytes and low platelet level
  - b) Hemolysis, elevated Lymphocytes and low platelet level
  - c) Hemolysis elevated liver enzymes and low platelet level
  - d) Amul is elevated liver toxic substance and low platelet level
8. Define hallucination
  - a) The orientation of time place and person
  - b) Mistaken or miss interpretation of sense impression
  - c) Perception of a stimulus in the absence of an actual stimulus
  - d) Perception of a stimulus in the presence of actual stimulus
9. Which is known as sleep walking
  - a) Somnambulism
  - b) Hypersomnia
  - c) Anosmia
  - d) Wandering
10. Long term control of blood sugar is assessed by estimation of
  - a) FBS
  - b) PPBS
  - c) GTT
  - d) HBA1c%
11. Who is described as the father of group dynamics
  - a) Henri Fayol
  - b) Elton Mayo
  - c) Max Weber
  - d) Kurt Lewin
12. Which need represents strive for power achievement in Maslow theory
  - a) Physiological need
  - b) Security need
  - c) Social need
  - d) Esteem need
13. Span of control means
  - a) The number of subordinates an officer can collectively supervise
  - b) The rule or control of the higher to lower
  - c) The act of Designing the Administrative structure
  - d) An instrument of organizational integration and coherence

14. Who proposed grid theory in leadership
  - a) Blake and Mouton
  - b) Herzberg
  - c) Make Cleland
  - d) Broom
15. What is the meaning of ABC analysis
  - a) Analysis of stocking of adequate number and kind of stores
  - b) Analysis of store item on Cost criteria
  - c) Analysis of right quality of material
  - d) Analysis based on their criticality
16. When National Health Policy was last formulated
  - a) 1982
  - b) 1983
  - c) 1984
  - d) 1986
17. What is herd immunity
  - a) Antibodies produced in one body are transferred to another to protect against disease
  - b) Level of resistance of a community or group of people to a particular disease
  - c) Immunity which develops as a result of infection or by immunization
  - d) Immunobiological substance designed to produce specific protection against a disease
18. Rice Water stool is a clinical feature of
  - a) Hepatitis
  - b) Cholera
  - c) Polio
  - d) Diarrhea
19. Malaria is caused by
  - a) Bacteria
  - b) Protozoa
  - c) Virus
  - d) Fungus

20. Montoux test is read after
- 24 hours
  - 48 hours
  - 72 hours
  - 20 hours
21. Mid-day meal Programme provides how many calories and proteins per day
- 200 Calories and 8 to 12 grams of protein
  - 300 Calories and 8 to 12 grams of protein
  - 200 Calories and 6 to 12 grams of protein
  - 300 Cal and 6 to 12 grams of protein
22. Which of the following formula is correct for calculating BMI
- Weight in kg divided by height in meter square
  - Weight in kg into height in meter square
  - Weight in kg height in meter square
  - Weight in kg + height in meter square
23. Temperature to store polio vaccine in freezer
- +2°C to +8°C
  - 20°C
  - 16°C
  - +4°C to +8°C
24. In which reflex newborn toes will fan out
- Moro reflex
  - Babinski reflex
  - Doll's eye reflex
  - Tonic neck reflex
25. The Government of India launched the national Mental Health Programme in which year
- 1980
  - 1982
  - 1984
  - 1986
26. Predisposition or a tendency towards a particular cognitive-behavioral or emotional reaction to object or people is called
- Attitude
  - Group information
  - Attachment
  - Socialization

27. In which region electrodes are to be placed in ECT
- Temporal region
  - Frontal region
  - Occipital region
  - Parietal region
28. In which type of patient assignment distinct duties are assigned to specific personnel
- patient method
  - functional method
  - term method
  - individual method
29. In which type of interview the interviewer put questions in such a way that the candidate loses his temper and make him angry or irritated
- direct interview
  - patterned interview
  - stress interview
  - board interview
30. Which factor influences curriculum development
- Society
  - Subordinate
  - Human dignity
  - Nutrition
31. A variable that is used to cause a change in another variable is called
- dependent variable
  - independent variable
  - complex variable
  - extraneous variable
32. Unstructured observational tool is carried out by
- Checklist
  - Rating scale
  - Video recording
  - Direct observation
33. A Focus Group interview consists of
- 6 to 8 members
  - 8 to 10 members
  - 8 to 12 members
  - 6 to 10 members

34. One of the features of cafeteria question is
- Most favorable to least favorable
  - Give a particular response to previous question
  - Most closely correspond to respondent view
  - Uncertain about views
35. Literature review is
- Everything that is known about subject
  - An analytical summary of research findings
  - All approved data on a research topic
  - A compilation of reserves of research
36. A database that is considered the premier Bibliography database for providing access for the biomedical literature is
- Google
  - Medline
  - Yahoo
  - MSN search
37. Primary source of literature review includes on except
- Published thesis
  - Historical and legal document
  - Newspaper article
  - Eyewitness
38. The First phase of research process is called
- Empirical phase
  - Phase of conception
  - Phases of construction
  - Disseminative phase
39. A research problem describes the
- aim of study
  - question that needs to be answered
  - direction and form of the study
  - predictor of relationship between two or more variable
40. When WHO launched the Expanded Programme on Immunization EPI?
- 1974
  - 1978
  - 1985
  - 1971



41. Which type of play is organized and played in groups
- Solitary play
  - Onlooker play
  - Cooperative play
  - Parallel play
42. Circumcision is used for the treatment of
- Epispadias
  - Hypospadias
  - Cleft palate
  - Phimosis
43. Administration of drugs in the form of powder into the body cavity is called
- Induction
  - Installation
  - Insufflation
  - implantation
44. An agent that has the power to kill microorganisms is known as
- Bacteriostasis
  - Bactericide
  - Bacteriostat
  - Asepsis
45. What is the voltage used in ECT
- 20 to 30 volts
  - 30 to 80 volts
  - 70 to 120 volts
  - 60 to 110 volts
46. What is 'his' test used for?
- Bile pigments
  - Acetone
  - Bile salts
  - Albumin
47. What is the appropriate size of endotracheal tube for an adult
- 5 to 7 cm
  - 5 to 7 mm
  - 2.5 to 4 mm
  - 8 to 9.5 mm

48. Which enema is given to relieve examination
- Anesthetic enema
  - Retention enema
  - Cold enema
  - Astringent enema
49. Which immunoglobulin level is high in blood of neonates
- IgG
  - Ig M
  - Ig A
  - Ig E
50. Anterior fontanelle is also known as
- Bregma
  - Lambda
  - Articulation
  - Ossification
51. \_\_\_\_\_ is not a principal of health education
- Internet
  - Participation
  - Communication
  - Comprehension
52. The term "Comprehensive health care" was first used by the
- Bhore committee
  - Mudaliar committee
  - Mukherji committee
  - Chadha committee
53. Which of the following is an international Health agency?
- FAO
  - Central Social Welfare Board
  - The KasturavaMemorial Fund
  - BSS
54. DMPA is an injectable contraceptive given every-
- Three weeks
  - Two months
  - Three months
  - Two years

55. Epidemic of food poisoning is an example of which type of epidemic
- Common source epidemics
  - Single exposure or point source epidemics
  - Continuous or repeated exposure
  - Propagated epidemics
56. Ramesh is admitted in male psychiatric ward is sitting at the edge of the bed for two days without any movement. This condition is termed as \_\_\_\_\_
- Mannerism
  - Verbigeration
  - Negativism
  - Cataplexy
57. Rohit a 28 years young man suffered from schizophrenia repeatedly say a nonsense syllable or a cluster of nonsense syllables like dog care are car work. This obsessive repetition of random words is termed as \_\_\_\_\_
- Verbigeration
  - Mannerism
  - Cataplexy
  - Negativism
58. Disorder of consciousness in which patient remains motionless and does not react to the surrounding, is \_\_\_\_\_
- Confusion
  - Clouding of consciousness
  - Stupor
  - Hallucination
59. Which type of delusional disorder is commonly found in paranoid schizophrenia \_\_\_\_\_
- Delusion of persecution
  - Automatic obedience
  - Delusion of guilt
  - Nihilistic delusion
60. Example of psychomotor domain for a nursing student is \_\_\_\_\_
- Giving health education on environment pollution
  - Conduct a delivery
  - Making analysis of an experiments
  - Demonstrate a teaching

61. Which of the following is the largest diameter of fetal skull?
- Mento-ventrical
  - Submento-ventrical
  - Biparietal
  - Occipito-frontal
62. Pharmacokinetics is
- The study of biological and therapeutic effects of drugs
  - The study of absorption, distribution, metabolism and excretion of drugs
  - The study of mechanisms of drug action
  - The study of methods of new drug development
63. Association of word similar in sound but not in meaning is called
- Cluttering
  - Stuttering
  - Clang associations
  - Dysarthria
64. Research hypotheses are \_\_\_\_\_
- Formulated prior to a review of the literature
  - Statements of predicted relationships between variables
  - Stated such that they can be confirmed or refuted
  - b and c
65. Which of the following is not a characteristic of high-quality CPR?
- Push hard push fast
  - Depth of compression should be <3cm to avoid rib fracture
  - Minimize interruption in CPR
  - Allow complete chest recoil
66. Application of drug in liquid form into a body cavity is called
- Inunction
  - Instillation
  - Insertion
  - Implantation
67. Cognitive domain in Bloom's Taxonomy includes all the following, except
- Criticism
  - Evaluation
  - Synthesis
  - Analysis

68. Implantation of fertilized ovum occurs
- 24hrs after entering into uterine cavity
  - 20<sup>th</sup> day of a regular menstrual cycle
  - 11 days after entry into uterine cavity
  - None of the above
69. Planning is pervasive in nature means
- It pervades all managerial activities and covers all levels of an enterprise
  - It is the first function in the process of management
  - Planning secure participation of the employees
  - Planning, being an intellectual activity and covers all levels of an enterprise
70. Doctor advised to give analgesic medication as PRN. When would the nurse administer this drug?
- Stat
  - When required
  - Once in a day
  - Thrice in a day
71. Type of channel where message is sent to the receiver through touch is known as:
- Decoding
  - Kinesthetic
  - Auditory
  - Visual
72. The term proxemics refers to
- Study of distance zone between people during communication
  - Study of body movements
  - Study of disease causation
  - Anatomical study of body structure
73. Which disease occurs due to the deficiency of folic acid?
- Neural tube defect
  - Atrophy bladder
  - Esophageal atresia
  - Congenital diaphragmatic hernia

74. Immunoglobulin that is present abundantly in human milk is
- IgA
  - IgM
  - IgG
  - IgD
75. Hormone that causes ejection of milk
- Prolactin
  - Oxytocin
  - ADH
  - LH
76. A male baby born from a mother with gestational Diabetes with birth weight of 3.9kg. Which is the most common immediate complication, the nurse should observe for?
- Hypothermia
  - Hypoglycemia
  - Asphyxia
  - Sucking reflex
77. Which of the following organism is a prokaryotic
- Protozoa
  - Fungi
  - Algae except blue green algae
  - Bacteria
78. *Corynebacterium diphtheriae* can be best identified by:
- Capsule stain
  - Acid fast stain
  - Albert stain
  - ZN stain
79. Which is not a capsulated bacterium
- Vibrio cholerae*
  - S. pneumonia*
  - H. influenza*
  - C. perfringes*

80. When the drugs are administered orally, they have to pass via gut wall then through portal vein & systemic circulation. This process is known as
- Oral administered process
  - First-pass metabolism
  - Gut-liver metabolism
  - Systemic metabolism
81. Which is the denominator in vertex presentation?
- Occiput
  - Mentum
  - Sacrum
  - Sinciput
82. In which stage of labour lower uterine segment will form?
- 1<sup>st</sup> stage
  - 2<sup>nd</sup> stage
  - 3<sup>rd</sup> stage
  - 4<sup>th</sup> stage
83. Which hormone is responsible for rescue and maintenance of corpus luteum till 6 weeks of pregnancy?
- HCG
  - Estrogen
  - Progesterone
  - TSH
84. One liter is equal to
- 1 pint
  - 2 pints
  - 3 pints
  - 4 pints
85. Cholera is caused by a kind of bacterium called:
- Cholera virus
  - Vibrio cholerae
  - Protozoa
  - Entamoeba histolytica
86. The Filariasis is transmitted by
- Anopheles female mosquito
  - Anopheles male mosquito
  - Culex female mosquito
  - Culex male mosquito

87. The disease that spread through faecal-oral route is.....
- Hepatitis B
  - Hepatitis C
  - Hepatitis A
  - Hepatitis H
88. The International Council of Nurses (ICN) is headquartered in:
- New York, US
  - London, UK
  - Geneva, Switzerland
  - Toronto, Canada
89. \_\_\_\_\_ is the immunity, the body get after the first attack of disease or by immunization
- Natural immunity
  - Passive immunity
  - Herd immunity
  - Active immunity
90. Cholecalciferol(vitamin D3) is found in
- Plant
  - Animal
  - Sun light
  - All of the above
91. Chart is an example of
- Projected aids
  - Audio Aid
  - Graphic Aid
  - Display Aid
92. The destruction of cornea, a condition referred to as
- Xerophthalmia
  - Keratomalacia
  - Nyctalopia
  - Bitot's spots
93. When a client can breathe only in up-right position is termed as
- Eupnoea
  - Apnoea
  - Bradypnea
  - Orthopnea



94. Nurse Karen is providing postoperative care for Dustin who has cleft palate(CP); she should position the child in which of the following?
- In an infant seat
  - In the supine position
  - In the prone position
  - On his side
95. Patient Reeta is observed to have some palmer pallor. This can be classified as
- Severe anemia
  - Anemia
  - No anemia
  - Malnutrition
96. Foramen magnum is located in:
- In the mandible
  - Within the sacrum
  - In the fetal heart only
  - In the occipital bone
97. The American Nurses association formulated the Nursing process of how many steps
- APE-4
  - ADPIE-5
  - ADOPIE-6
  - ADOPIER-7
98. Difference between apical pulse & radial pulse is called
- Pulse difference
  - Pulse deficit
  - Pulse pressure
  - Pulse count
99. When 4 to 8 experts discuss on the given subject in front of the audience or the group is known as –
- Panel discussion
  - Work shop
  - Symposium
  - Group discussion

100. The following are the signs of dehydration except:
- Sunken tearless eyes
  - Loss of skin elasticity
  - Diuresis
  - Depressed fontanelle
101. The test required to observe the response of the fetus at risk for uteroplacental insufficiency in relation to uterine contractions is known as
- Non-Stress Test (NST)
  - Contraction Stress Test (CST)
  - Vibro acoustic Stimulation Test (VAS)
  - Shake Test
102. Increased pulsation felt through the lateral fornices of vagina at 8<sup>th</sup> week of pregnancy is called
- Goodell's Sign
  - Heager's Sign
  - Piskacek's Sign
  - Osiander's Sign
103. Who had devised Partograph?
- Chadwick
  - Jacobson
  - Freidman
  - Robert
104. The manifestation of pre-eclampsia usually appears in which order?
- Rapid gain in weight → visible edema &/ hypertension → Proteinuria.
  - Visible edema &/ hypertension → rapid gain in weight → Proteinuria.
  - Proteinuria → rapid gain in weight → visible edema.
  - Hypertension → Proteinuria → rapid gain in weight.
105. When the combined duration of the 1<sup>st</sup> & 2<sup>nd</sup> stage of labour is less than 2 hours, it is called
- Premature labour
  - Preterm labour
  - Precipitate labour
  - Post maturity

106. In the oogenesis process, which one is the correct sequence of events?
- Primary oocyte → secondary oocyte → oogonia → ovulation
  - Oogonia primary → oocyte → secondary oocyte → ovulation
  - Oogonia → primary oocyte → ovulation → secondary oocyte
  - Primary oocyte → oogonia → secondary oocyte → ovulation
107. Who is known as the Father of Chemotherapy?
- Paul Ehrlich
  - Ignaz Semmelweis
  - Joseph Lister
  - Robert Koch
108. CAMP reaction test is used to identify which microorganism?
- Viridans streptococci
  - Streptococcus agalactiae
  - Staphylococcus epidermis
  - Enterococcus
109. Pityriasis versicolor disease is caused by
- Trichosporonbeigelii
  - Piedraiahortae
  - Fusarium solani
  - Malassezia furfur
110. Quelling reaction is done for the identification of which micro-organism?
- Streptococcus pyogenes
  - Vancomycin – Resistant Enterococci
  - Streptococcus pneumonia
  - Viridans streptococci
111. The test used to detect anti Rh antibodies in newborn baby is
- Indirect coombs test
  - Direct coombs test
  - Ring precipitation test
  - Slide agglutination test

112. Collection of blood between the periosteum & skull of the infant is
- Caput succedaneum
  - Mongolian spot
  - Cephalohematoma
  - Erythema toxicum
113. Tongue extrusion reflex of infant disappears at which age?
- By the end of 1 year
  - By age of 4 months
  - By age of 6 months
  - By age of 9 months
114. According to Robertson, which one is not included under stages of reaction to illness in case of children?
- Protest
  - Despair
  - Denial
  - Bargaining
115. Brown color/Cola color urine is a feature of which disease?
- Nephrotic syndrome
  - Acute Glomerulonephritis
  - Acute Renal Failure
  - Urinary Tract Infection
116. Diet of choice in case of seizure is
- High fat, low carbohydrate
  - Low fat, low carbohydrate
  - High fat, high protein
  - High protein, low carbohydrate
117. At which age closure of umbilical arteries occurs?
- 1 months
  - 2 months
  - 28 days
  - 7 days

118. Which position is used in management of Tetralogy of Fallot (TOF)?
- Squatting
  - Sitting
  - Prone
  - Side-lying
119. When should a thick blood film slide be taken for person suspected to have filarial infection?
- Early morning
  - Midnight
  - Day time
  - Evening
120. Mid-day meal program was launched in?
- 1962
  - 1968
  - 1916
  - 1970
121. Which one is not a form of education?
- Formal
  - Non-Formal
  - Sub formal
  - Informal
122. Lines of Zahn are visible in which condition?
- Embolus
  - Atheroma
  - Thrombus
  - Erythematous
123. 'Napkin-ring' constrictions are associated with which disease?
- Colorectal carcinoma
  - Hepatocellular carcinoma
  - Carcinoma of Gallbladder
  - Cholangio carcinoma

124. Stag horn calculus is mainly composed of
- Calcium oxalate & calcium phosphate
  - Magnesium, ammonium & phosphate
  - Uric acid, calcium phosphate & calcium oxalate
  - Calcium oxalate, magnesium & uric acid
125. The numerical chromosomal aberration as  $2n+1$  or  $2n-1$  is known as
- Polyploidy
  - Triploidy
  - Monosomy
  - Aneuploidy
126. Replacement of one nucleotide base by a different nucleotide base within a gene is known as
- Point mutation
  - Frame shift mutation
  - Lethal mutation
  - Loss of function mutation
127. In which type of non-random sampling technique, the researcher asks the research participants to identify another potential research participant
- Convenience sampling
  - Snowball sampling
  - Purposive sampling
  - Quota sampling
128. Ideally the abstract should contain about how many words?
- 50-75
  - 75-100
  - 200-250
  - 150-200
129. Which of the following principal is followed to determine the sample size for qualitative research studies?
- The rule 30
  - The thumb rule
  - Power analysis
  - Data saturation

130. Which one is the primary source of data collect?
- Biographies
  - People
  - Journals
  - Census report
131. Which one is not a parametric test in research?
- T-test
  - Z-test
  - ANOVA
  - Chi-square test
132. A variable that is presumed to cause a change in another variable is known as
- Independent variable
  - Intervening variable
  - Dependent variable
  - Categorical variable
133. Which one from the following is true about full form of SPSS?
- Statistical package for statistical science
  - Statistical package for social system
  - Statistical package for social science
  - Statistical package for statistical system
134. Which one is not included under steps of planning
- Setting objectives
  - Formulating the plans
  - Analysis & Interference
  - Programming
135. The type of supervisor who is very protective towards subordinates is known as
- Benevolent supervisor
  - An autocratic supervisor
  - Critical supervisor
  - Democratic supervisor

136. Which committee is known as “Health Survey planning committee”?
- Bhore committee
  - Mudaliar committee
  - Chadha committee
  - Mukherji committee
137. The type of leader who depends completely on the members in the group & allows each member to make their own decision is known as
- An autocratic leader
  - A dictatorial leader
  - A democratic leader
  - A laissez-faire leader
138. A condition in which the medial longitudinal arch is abnormally elevated is known as
- Claw foot
  - Flat foot
  - Genu valgum
  - Club foot
139. Which one from the followings represents the time from the beginning of ventricular depolarization to the end of ventricular repolarization?
- Q-T interval
  - S-T segment
  - T- wave
  - P-Q interval
140. Boxer’s fracture occurs in which bone?
- Fourth metatarsal
  - Fifth metacarpal
  - Fifth metatarsal
  - Fourth metacarpal
141. Payer’s patches are found in
- Small intestine
  - Peritoneum
  - Ileum
  - Jejunum



142. Normal range of cerebral perfusion pressure is
- a) 10-35 mmHg
  - b) 40-80 mmHg
  - c) 50-100 mmHg
  - d) 60-100 mmHg
143. Involuntary jerking & rhythmic movements of the eyes is known as
- a) Diplopia
  - b) Double vision
  - c) Nystagmus
  - d) Ptosis
144. Who serves as a synthetic semi permeable membrane in hemodialysis
- a) Dialysate
  - b) Hemolyzed
  - c) Dilemma
  - d) Dialyzer
145. The most common serious complication of peritoneal dialysis is
- a) Leakage
  - b) Bleeding
  - c) Peritonitis
  - d) Hypertriglyceridemia
146. Which color code indicates an urgent hospital refer & admission for child illness under IMNCI
- a) Orange
  - b) Yellow
  - c) Pink
  - d) Green
147. Which disorder has symptoms of old man's face & thin muscle in children?
- a) Kwashiorkor
  - b) Obesity
  - c) Edema
  - d) Marasmus

148. A patient accuses environment for his/her illness instead of his /her own carelessness is an example of?

- a) Rationalization
- b) Submission
- c) Regression
- d) Projection

149. Incubation period of Rubella is

- a) 5-20 days
- b) 6-19 days
- c) 6-10 days
- d) 2-5 days

150. As per Maslow, hierarchy of needs achievement belongs to

- a) Self-actualization
- b) Love & belonging needs
- c) Safety needs
- d) Esteem needs

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