

MIZORAM SUBORDINATE SERVICES SELECTION BOARD

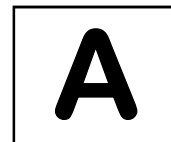


COMPETITIVE EXAMINATION FOR RECRUITMENT TO THE POST OF STAFF NURSE UNDER HEALTH & FAMILY WELFARE DEPARTMENT, GOVERNMENT OF MIZORAM

JUNE - 2023

Question Booklet Series

NURSING SCIENCE PAPER II



Time Allowed : 2 Hours

Maximum Marks : 150

INSTRUCTIONS

1. This paper consists of seventy five (75) multiple-choice type of questions.
2. Immediately after the commencement of the examination, you should check that this question booklet does not have any unprinted or missing pages or items, etc. If so, get it replaced by a complete booklet from the invigilator.
3. Please note that it is the candidate's responsibility to fill in necessary details such as Roll Number, etc. and the Question Booklet Series A, B, C or D carefully and without any omission or discrepancy at the appropriate places in the OMR Answer Sheet. Any omission/discrepancy will render the Answer Sheet liable for rejection.
4. Each question comprises four responses (answers). You will select the response which you want to mark on the Answer Sheet. In case you feel that there is more than one correct response, mark the response which you consider the best. In any case, choose *ONLY ONE* response for each item.
5. You have to mark your responses *ONLY* on the separate OMR Answer Sheet provided. ***Read instructions given in the OMR sheet carefully.***
6. All questions carry equal marks.
7. Rough work is to be done in the spaces available in the question booklet.
8. You have to submit your Answer Sheet to the invigilators at the end of the examination compulsorily and must not carry it with you outside the Examination Hall. You are permitted to take away with you the question booklet on conclusion of examination.
9. There are no negative marks for incorrect answer.

1. Match the following terminologies with their meaning:
- | | |
|---------------------|--|
| 1. Verbigeration | (a) Pathological repetition by imitation of others' speech |
| 2. Waxy flexibility | (b) Failure to recognize events that have occurred before |
| 3. Jamaisvu | (c) Senseless repetition of some words or phrases all over again |
| 4. Echolalia | (d) Passively maintains body parts in difficult or weird positions |
- (A) 1 – (b), 2 – (a), 3 – (d), 4 – (c) (B) 1 – (c), 2 – (d), 3 – (b), 4 – (a)
(C) 1 – (d), 2 – (a), 3 – (b), 4 – (c) (D) 1 – (a), 2 – (c), 3 – (b), 4 – (d)
2. Consider the following:
- | | |
|---------------------------------|-------------------------|
| (i) Expansive or irritable mood | (ii) Pressure of speech |
| (iii) Anhedonia | (iv) Flight of ideas |
- Which of the above are characteristic symptoms of mania?
- (A) (ii), (iii) and (iv) (B) (i), (iii) and (iv)
(C) (i), (ii) and (iii) (D) (i), (ii) and (iv)
3. Consider the following:
- | | |
|------------------------------|----------------------------|
| (i) Maternal Mortality rate | (ii) Infant Mortality rate |
| (iii) Gross domestic Product | (iv) Life expectancy |
- The indicators that can be used for assessing the health status of a country are
- (A) (i), (ii), (iii) and (iv) (B) (i) and (ii)
(C) (i), (ii) and (iii) (D) (i), (ii) and (iv)
4. How does Copper-T prevent pregnancy?
- (i) It stops ovulation
(ii) It stops zygote formation
(iii) It blocks the fallopian tubes
(iv) It stops fertilization
- Select the correct answer from the codes given below.
- (A) (i), (ii), (iii) and (iv) (B) (iii) only
(C) (i) and (ii) (D) (iv) only
5. While treating a patient with active tuberculosis, your patient asks when she can start going out in public again. You tell her that she is not contagious anymore when
- (i) she has 3 negative sputum cultures
(ii) she has completed the full medication
(iii) her chest X-ray is normal
(iv) she has been on tuberculosis medications for about 3 weeks
- Select the correct answer from the codes given below.
- (A) (i), (ii), (iii) and (iv) (B) (i) and (iv)
(C) (ii) and (iii) (D) (i), (ii) and (iv)
6. A new born baby assessed one minute after delivery has following features :
Colour – Pink; Respiration – Good and crying; Muscle tone – Active movement;
Heart rate – 130 per minute; Reflex response – Grimace.
Apgar score of the newborn will be
- (A) 6 (B) 7
(C) 8 (D) 9

7. Uterus is palpable above the symphysis pubis at
(A) 6th week (B) 8th week
(C) 10th week (D) 12th week
8. In case newborn shows signs of asphyxia at birth, the nurse should immediately
(A) start oxygen (B) clear the airway
(C) stimulate crying (D) inform the doctor
9. The recommended uterotonic drugs for the prevention of PPH is
(A) Oxytocin (5 IU, IV/IM) (B) Oxytocin (10 IU, IV/IM)
(C) Methergin (0.2 mg, IM) (D) Methergin (0.2 mg, IV)
10. After delivery, when inspecting her newborn baby girl, the mother notices a discharge from the nipples of both breasts of the baby. The nurse should explain that this is the evidence of
(A) Monilia contracted during birth
(B) an infection contracted in utero
(C) congenital hormonal imbalance
(D) the influence of the mother's hormones
11. The ICN code of ethics for nurses was first adopted by
(A) Florence Nightingale (B) Dorothea E Orem
(C) International Council of Nurses (D) Indian Nursing Council
12. The concentration of protein in breast milk is about
(A) 6 grams per litre (B) 11 grams per litre
(C) 18 grams per litre (D) 34 grams per litre
13. Rheumatic chorea is the disorder of
(A) cardiac system (B) respiratory system
(C) nervous system (D) digestive system
14. Primary Health Center serves as a referral point for how many sub centres?
(A) 4 (B) 6
(C) 10 (D) 20
15. WHO declared India a polio-free country on
(A) 7th April, 1997 (B) 12th May, 2015
(C) 13th January, 2011 (D) 27th March 2014
16. Which of the following is not live attenuated vaccine?
(A) Tetanus vaccine (B) MMR vaccine
(C) Varicella (chicken pox) vaccine (D) Influenza vaccine
17. Nursing audit in clinical setting refers to assessment of
(A) quality (B) personal performance
(C) quantity of staff (D) budget

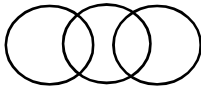
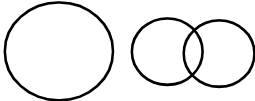
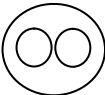
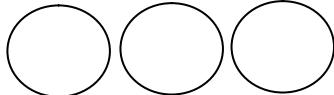
18. Detoxification means
(A) alcohol induced disorder
(B) treatment of withdrawal symptoms of substance use disorders
(C) treatment to induce abstinence in alcohol and other substance use disorders
(D) an alternative and complimentary treatment to aid in removal of toxins from the body
19. All of the following are used for treatment of anxiety disorders EXCEPT
(A) Antipsychotic drugs (B) Antidepressants
(C) Sedatives (D) Beta blockers
20. Sunken features, loss of subcutaneous fat, muscle wasting and body weight below 40% are the features of
(A) Kwashiorkor (B) Tuberculosis
(C) Marasmus (D) Scurvy
21. The heart of a child with Tetralogy of Fallot appears
(A) Boot shaped (B) Cone shaped
(C) Pea shaped (D) Apple shaped
22. Pernicious anaemia is a
(A) iron deficiency anaemia (B) vitamin B12 deficiency anaemia
(C) aplastic anaemia (D) hereditary hemolytic anaemia
23. Which of the following are the indications for operative vaginal delivery (Forceps/ventouse)?
(i) Inadequate expulsive efforts (ii) Unengaged fetal head
(iii) Maternal exhaustion (iv) Cardiac disease patient
Select the correct answer using the codes given below.
(A) (i), (ii) and (iii) (B) (i), (iii) and (iv)
(C) (ii), (iii) and (iv) (D) (i), (ii) and (iv)
24. A pregnant woman (12 weeks gestation) came to antenatal clinic for check up. On taking her history she told that she had a 5 year old son born at 40 weeks, 1 year old twin daughters born at 37 weeks, aborted once at 8 weeks. The obstetric history will be
(A) G3 P2 A1 L3 (B) G3 P3 A1 L3
(C) G4 P2 A1 L3 (D) G4 P3 A1 L3
25. A primigravida mother comes to labour room at 34 weeks gestation. She complains of painless vaginal bleeding. This may be caused by
(A) Abortion (B) Hydatidiform mole
(C) Abruptio placentae (D) Placentaprevia
26. In ICD 10 Classification of Mental Disorders, psychoactive substance use disorders are classified under
(A) F00 – F09 (B) F10 – F19
(C) F20 – F29 (D) F30 – F39

27. A client with eclampsia is given magnesium sulfate. Four hours later, examination reveals: Temperature – 98 degrees, Pulse – 72 beats per minute, Respiration – 14 breaths per minute, blood pressure – 150/90 mmHg, and knee jerk reflex cannot be elicited. The nurse should first
- (A) notify the physician
 - (B) administer calcium gluconate
 - (C) position the client on the left side
 - (D) stop the administration of magnesium sulfate
28. The Mizoram Nursing Council was established in the year
- (A) 1970
 - (B) 1980
 - (C) 1990
 - (D) 2000
29. Which of the following is a negative symptom of schizophrenia?
- (A) Delusions
 - (B) Hallucination
 - (C) Apathy
 - (D) Thought disturbance
30. In Apgar score, a total score of 5-7 indicates
- (A) mild depression
 - (B) no depression
 - (C) moderate depression
 - (D) severe depression
31. Consider the following statements regarding partograph:
- (i) Plot partograph from 4cm cervical dilatation on the action line
 - (ii) Plot partograph from 4cm cervical dilatation on the alert line
 - (iii) Monitor cervical dilatation four hourly
- Which of the above statements are true?
- (A) (i) and (ii)
 - (B) (i) and (iii)
 - (C) (ii) and (iii)
 - (D) (i), (ii) and (iii)
32. The most common site of implantation of Ectopic pregnancy is
- (A) Ovary
 - (B) Ampulla
 - (C) Isthmus
 - (D) Interstitial
33. The normal lochia discharge at the end of 2nd week is called
- (A) Lochia rubra
 - (B) Lochia serosa
 - (C) Lochia alba
 - (D) Lochia mixed
34. Which of the following is not an aim and objective of school health service?
- (A) Awakening health consciousness
 - (B) Promoting ethical values
 - (C) Provision of healthy environment
 - (D) Minimizing chance of spread of communicable diseases
35. Which of these health care personnel is appointed to provide health services at the sub-centre level?
- (A) ASHA
 - (B) Health Worker
 - (C) Health Supervisor
 - (D) Public Health Nurse

36. Teaching aids are classified under which of the following categories?
(A) Radio, TV and Camera (B) Audio, Visual and Audio visual
(C) Chalk board and bulletin board (D) Maps and diagrams
37. For giving health awareness to the general public, all of the following methods will be beneficial EXCEPT
(A) Lecture, demonstration and workshop
(B) Radio, Television, internet
(C) Newspapers, printed material
(D) Posters, billboards and signs
38. Which vitamin is helpful in promotion of intestinal absorption of calcium and phosphorus?
(A) Vitamin A (B) Vitamin C
(C) Vitamin D (D) Vitamin B2
39. Which of the following is not true?
(A) Growth and development is a continuous process
(B) All human beings follow a same pattern of growth
(C) Different tissues of the body grow at different rates
(D) Growth pattern of every individual is unique
40. A nurse is instructing the parents of a child with iron deficiency anemia regarding the administration of a liquid oral supplement. Which instruction should the nurse tell the parents?
(A) Administer the iron through a straw
(B) Administer the iron at mealtimes
(C) Mix the iron with cereal to administer
(D) Add the iron to formula for easy administration
41. During ECT, the client receives oxygen by mask via positive pressure ventilation. The nurse assisting with this procedure knows that positive pressure ventilation is necessary because
(A) anaesthesia is administered during the procedure
(B) decrease in supply of oxygen to the brain increases confusion and disorientation
(C) Grand mal seizure activity decreases respirations
(D) muscle relaxant given to prevent injury during seizure activity depresses respirations
42. Which of the following therapy is used for the treatment of phobia?
(A) Psychoanalysis (B) E.C.T.
(C) Hypnosis (D) Systematic desensitization
43. All of the following about fast breathing is correct EXCEPT
(A) 30 breaths per minute or more in a child 12 months up to 5 years
(B) 40 breaths per minute or more in a child 12 months up to 5 years
(C) 50 breaths per minute or more in a child 2 months up to 12 months
(D) 60 breaths per minute or more in a child 0 to 59 days

44. The number of deaths per 1000 population per year in a given community is known as
(A) Crude Death Rate (B) Age Specific Death Rate
(C) Morbidity rates (D) Case fatality rate
45. Which of the following vaccines is given to prevent diarrhea?
(A) BCG (B) Pentavalent vaccine
(C) Rotavirus vaccine (D) OPV
46. Prof. Luther Gullick summed up certain elements of administration in the word POSDCORB. Here, 'P' stands for
(A) Preparation (B) Practice
(C) Programming (D) Planning
47. What characteristics would a nurse expect infants and young children who have failure to thrive to exhibit?
1. Hyperactivity 2. Language deficit
3. Responsiveness to stimuli 4. Proneness to illness
Select the correct answer using the codes given below.
(A) 1 and 2 (B) 3 and 4
(C) 2 and 3 (D) 2 and 4
48. An infant has just returned to the nursing unit after surgical repair of a cleft lip on the right side. The nurse should place the infant in which best position at this time?
(A) Prone position (B) On the stomach
(C) Left lateral position (D) Right lateral position
49. The most common cause of postpartum hemorrhage is
(A) uterine atonicty (B) cervical tear
(C) vaginal lacerations (D) coagulation disorder
50. Preterm birth is defined as the one when birth occurs before completion of
(A) 37 weeks of gestation (B) 38 weeks of gestation
(C) 39 weeks of gestation (D) 40 weeks of gestation
51. Puerperium begins as soon as placenta is expelled and lasts for approximately
(A) 4 weeks (B) 6 weeks
(C) 8 weeks (D) 10 weeks
52. Retention of dead fetus for a variable period is
(A) threatened abortion (B) complete abortion
(C) missed abortion (D) septic abortion
53. As per the INC norms, the Nurse-Patient Ratio for Staff Nurse in General ward is
(A) 1:3 in teaching hospital and 1:5 in non-teaching hospital with 20% leave reserve
(B) 1:4 in teaching hospital and 1:6 in non-teaching hospital with 20% leave reserve
(C) 1:3 in teaching hospital and 1:5 in non-teaching hospital with 30% leave reserve
(D) 1:4 in teaching hospital and 1:6 in non-teaching hospital with 30% leave reserve

54. Delayed speech in a 5 years old child with normal motor and adaptive development is most likely due to
- (A) Mental retardation (B) Cerebral palsy
(C) Deafness (D) Kernicterus
55. A 2 ½ year old child is admitted to a hospital with deep partial thickness burns involving the face and chest. The nurse develops a plan of care based on concerns related to the child's injury. Place the following in order of importance.
1. Presence of pain 2. Potential for infection
3. Impaired gas exchange 4. Disturbed fluid balance
5. Compromised body image
- Select the correct answer using the codes given below.
- (A) 3, 1, 4, 2, 5 (B) 1, 2, 4, 3, 5
(C) 4, 3, 2, 1, 5 (D) 3, 2, 1, 5, 4
56. Sunken fontanelle is a sign of
- (A) Dehydration (B) Hydrocephalus
(C) Down's syndrome (D) Turner's syndrome
57. Sub-centre A was having a population of 5000 in a specific year and 10 infants were born during the same year. What will be the birth rate?
- (A) 1 (B) 2
(C) 5 (D) 10
58. Which of the following maternal responses would be most common in the second stage of labour?
- (A) Active pushing (B) Loss of control
(C) Excitement (D) Concern about labour progress
59. The average blood volume loss after normal delivery is approximately
- (A) 300 ml (B) 500 ml
(C) 700 ml (D) 1000 ml
60. After implantation of blastocyst, the endometrium is called
- (A) amnion (B) chorion
(C) deciduas (D) placenta
61. The rate of cervical dilatation in active phase of labour is
- (A) 1 cm per hour (B) 2 cm per hour
(C) 3 cm per hour (D) 4 cm per hour
62. Which of the following comments, if made by a patient who has major depression, would indicate an increased risk of suicide?
- (A) "I think I will lie down. I feel like sleeping"
(B) "I think the doctor should give me more medicine"
(C) "I won't be a problem much longer"
(D) "I miss my family, especially my children"

63. Which of the following medication would the nurse expect the physician to prescribe to reverse a dystonic reaction?
(A) Prochlorperazine (B) Haloperidol
(C) Diphenhydramine (D) Midazolam
64. An incision given in the perineum to enlarge vulval orifice is known as
(A) Ceserean Section (B) Salpingectomy
(C) Hysterectomy (D) Episiotomy
65. Which of the following warming methods is contraindicated for the care of a newborn?
(A) Heat stethoscope in hands before auscultation
(B) Use warmed humidified oxygen
(C) Use radiant warmer
(D) Heat lamp 6 inches away from the infant
66. In a certain code, EAT is written as 318 and CHAIR is written as 24156. Then TEACHER will be written as
(A) 8312436 (B) 8312346
(C) 8321436 (D) 8312463
67. Which of the following diagrams best depicts the relationship of India, Mizoram and Assam?
(A)  (B) 
(C)  (D) 
68. Pointing to a photograph, a man said, “I have no brother or sister but that man’s father is my father’s son”. Whose photograph was it?
(A) Himself (B) His cousin
(C) His father (D) His son
69. If A is the brother of B, B is the sister of C and C is the father of D, how is D related to A?
(A) Brother (B) Sister
(C) Nephew (D) Cannot be determined
70. If in a certain language, MADRAS is coded as NBESBT, how is BOMBAY coded in that code?
(A) CPNBCZ (B) CNPCBZ
(C) CPNZCB (D) CPNCBZ
71. A man starts from a point, walks 2 km towards north, turns towards his right and walks 2 km. He then turns right again and walks. Which direction is he now facing?
(A) South (B) East
(C) North (D) West

72. Identify the next number in the sequence: 34, 45, 56, 67, ____.
- (A) 88 (B) 76
(C) 77 (D) 78
73. John introduces Mary as the daughter of the only son of my father's wife. How is Mary related to John?
- (A) Sister (B) Daughter
(C) Sister-in-law (D) Cousin
74. Three out of four alternatives are same in a certain way and so form a group. Find the odd one that does not belong to the group.
- (A) Sun (B) Mercury
(C) Mars (D) Venus
75. Identify the relationship between the given pair of words and select the pair that best illustrates a similar relationship from amongst the given alternatives.
Bus : Driver ::
- (A) Cook : Kitchen (B) Class : Student
(C) War : Soldier (D) Machine : Operator