

MIZORAM PUBLIC SERVICE COMMISSION

**TECHNICAL COMPETITIVE EXAMINATIONS FOR RECRUITMENT TO
STAFF NURSE**

UNDER MIZORAM INSTITUTE OF MEDICAL EDUCATION AND RESEARCH (MIMER) - 2018

**NURSING SCIENCE
PAPER – I**

Time Allowed : 2 hours

Full Marks : 150

Attempt all questions.

All questions carry equal marks of 2 each.

1. Maxilla is an example of
 - (a) Pneumatic bones
 - (b) Short bones
 - (c) Flat bones
 - (d) Sesamoid bones
2. Action of vastus lateralis is
 - (a) Flexion of thigh and leg
 - (b) Extension of leg
 - (c) Adduction of hip
 - (d) Adduction of thigh
3. Modified atrial muscle fibers present as 3 bundles which connect the sino-atrial node (SA-node) to atrio-ventricular node (AV-node) is
 - (a) Atrio-ventricular bundle
 - (b) Purkinje fibers
 - (c) Internodal pathways
 - (d) Sympathetic supply
4. The bony covering over the neck and root of the tooth sometimes overlapping the lower part of the enamel is called
 - (a) Pulp cavity
 - (b) Denture
 - (c) Periodontal membrane or ligament
 - (d) Cementum
5. Superficial layer of dermis lying next to epidermis is termed as
 - (a) Papillary layer
 - (b) Reticular layer
 - (c) Stratum basale
 - (d) Stratum corneum
6. CSF is secreted by choroid plexus of the lateral
 - (a) 2nd & 3rd ventricles
 - (b) 3rd & 4th ventricles
 - (c) 4th & 5th ventricles
 - (d) 5th & 6th ventricles
7. Pancreatic lipase hydrolyses
 - (a) Fat
 - (b) Starch
 - (c) Glucose
 - (d) Proteins
8. Muscle responsible for extorsion rotator movement of eyeball is
 - (a) Medial rectus
 - (b) Lateral rectus
 - (c) Inferior rectus
 - (d) Superior rectus

9. Fornices of vagina is shallowest in
(a) Posterior fornix (b) Lateral fornix
(c) Medial fornix (d) Anterior fornix
10. Right bronchus enters hilum at level of
(a) T₅ vertebra (b) T₆ vertebra
(c) T₇ vertebra (d) T₈ vertebra
11. In case of delay in despatch or processing, the urine (mid-stream) samples for culture should
(a) Be refrigerated (b) Not be refrigerated
(c) Be kept in anaerobic transport vial (d) Be kept in incubator
12. Which one is not a component of passive immunity?
(a) Instant immunity (b) Negative phase may occur
(c) There is no negative phase (d) It is applicable in immunodeficient host too
13. The most reputable method of sterilization is
(a) Radiation (b) Filtration
(c) Heat (d) Fumigation
14. Psychology is defined as the scientific study of
(a) Human behaviour (b) Mental disorder
(c) Human relationship (d) Human and animal behaviour
15. According to behavioural view of learning, human being
(a) Is rigid (b) Is by insight
(c) Can be taught to do anything (d) Cannot be modified
16. When the mental and chronological age is same, then IQ is
(a) 70 (b) 80
(c) 90 (d) 100
17. What factor plays an important role in development of attitudes?
(a) Heredity (b) Environment
(c) Health (d) Illness
18. Another term for superego is
(a) Self (b) Ideal self
(c) Narcissism (d) Conscience
19. Dowry Prohibition Act was passed by Government of India in
(a) 1956 (b) 1961
(c) 1976 (d) 1978
20. If the family is not fulfilling important needs, family members would be eager to go out, this is called
(a) Centripetal tendency (b) Centrifugal tendency
(c) Socialization (d) Assimilation
21. Admission of patient with a case of chronic appendicitis, this is an example of
(a) Routine admission (b) Emergency admission
(c) Direct admission (d) Observation admission

22. To maintain optimum environment for a client, the room temperature should range from
(a) 18 – 20 °C (b) 20- 22 °C
(c) 22 – 24 °C (d) 24 – 26 °C
23. To maintain optimum environment for a client, the humidity should range from
(a) 0 – 20 % (b) 20 – 40 %
(c) 40 – 60 % (d) 60 – 80 %
24. Upon discharge, if the room was occupied for a client suffering from communicable disease, it should be
(a) Sterilized (b) Disinfected
(c) Isolated (d) Fumigated
25. The purpose of giving warm water bath is to
(a) Relieve muscle spasm and muscle tension
(b) Relax and soothe
(c) Soothe skin irritation
(d) Decrease fever and to reduce muscle tension
26. Ways of losing heat from the body are all except
(a) Oxidation of food (b) Lungs
(c) Kidneys (d) Skin
27. Abbreviated progress notes, a one type of record which gives a quick and clear picture of the client's condition is called
(a) Progress notes (b) Kardexes
(c) Flowsheets (d) Nurses' recording
28. The best method of sterilizing gloves is by
(a) Sunlight (b) Soap and warm water
(c) Hot air sterilization (d) Steam under pressure
29. Ground glass should be sterilized with
(a) Dry heat (b) Moist heat
(c) Gas sterilization (d) Boiling
30. If colour of urine is smoky brown, it indicates presence of
(a) Blood pigments (b) Urobilinogen
(c) Bile salts and bile pigments (d) Chyluria due to filariasis
31. Rigor mortis first involves the muscles of the
(a) Neck (b) Jaw
(c) Arms (d) Trunk
32. What should be avoided when a nurse is with a dying client?
(a) Presence of family (b) Frequent oral hygiene.
(c) Whispering anything in the client's room (d) Thorough skin and perineal care
33. Sim's lateral position is used for
(a) Treating shock (b) Sigmoidoscopy
(c) Postural drainage (d) Vaginal and rectal examination

34. Semi-recumbent position is used for
- (a) Clients in convalescence period
 - (b) After surgeries involving the anterior portions of the body
 - (c) To relieve pressure of bony prominences of the back and sacral region
 - (d) To take rectal temperature
35. An example of passive exercise is
- (a) Ankle rotation
 - (b) Deep breathing and coughing exercises
 - (c) Moving in bed to change the position
 - (d) Abdominal and gluteal contraction exercises
36. Nutritional needs usually stabilize during
- (a) Infancy
 - (b) Adolescent
 - (c) Lactation
 - (d) Adulthood
37. Method of inducing natural urination are all except
- (a) Provide privacy
 - (b) Taking analgesics
 - (c) Local application of heat to perineum
 - (d) Providing fluids
38. Application of the drug to the skin usually by a friction is
- (a) Insufflation
 - (b) Implantation
 - (c) Inunction
 - (d) Insertion
39. p.r.n or pro re nata means
- (a) When required
 - (b) Alternate days
 - (c) Each morning
 - (d) Each night
40. Human crutch method is used to transport a patient who is
- (a) Slightly injured and able to walk
 - (b) Having chest injury
 - (c) Having limb injury
 - (d) Semi-conscious
41. In case of haemorrhage, the first first-aid management will be
- (a) Raise and support the injured part above the level of the heart
 - (b) Applying direct pressure over the wound
 - (c) Watch for signs and symptoms of shock
 - (d) Place a sterile dressing over the wound
42. If a nurse gives an incorrect medication even though it is done in good faith, the fact that the nurse failed to read the label correctly indicates
- (a) Negligence
 - (b) Battery
 - (c) Malpractice
 - (d) Assault
43. For a physically handicapped patient, restoration of functions by prosthesis is an example of
- (a) Social rehabilitation
 - (b) Educational rehabilitation
 - (c) Vocational rehabilitation
 - (d) Medical rehabilitation
44. The personal protective equipment (PPE) needed for airborne precautions are all except
- (a) Goggles
 - (b) Mask
 - (c) Gown
 - (d) Gloves

45. According to triage code system, red indicates
- (a) High priority treatment or transfer
 - (b) Medium priority
 - (c) Ambulatory patients
 - (d) Dead or moribund patients
46. Cough that produces green, yellow or rust-colored mucus is caused by
- (a) Bacterial pneumonia
 - (b) Viral pneumonia
 - (c) Atypical pneumonia
 - (d) Fungal pneumonia
47. The phase that lasts from the patient's admission to the recovery room through the complete recovery from surgery is termed
- (a) Pre-operative
 - (b) Intra operative
 - (c) Post-operative
 - (d) Peri-operative
48. Blood pressure is decreased when circulating blood volume is reduced in instances like
- (a) Dehydration
 - (b) Hot weather
 - (c) Febrile illness
 - (d) Consumption of alcohol
49. The normal pericardial sac contains fluid less than
- (a) 10 – 15 mL
 - (b) 15 – 20 mL
 - (c) 20 – 25 mL
 - (d) 25 – 30 mL
50. When the orifice between the left ventricle and the aorta is narrowed because of congenital anomalies, calcification or rheumatic fever, it is known as
- (a) Mitral stenosis
 - (b) Aortic stenosis
 - (c) Tricuspid stenosis
 - (d) Aortic insufficiency
51. In symptomatic myocardial infarction, chest pain may be
- (a) Absent
 - (b) Mild
 - (c) Moderate
 - (d) Severe
52. For transfusion of blood, blood should not be warmed above
- (a) 36 °C
 - (b) 37 °C
 - (c) 38 °C
 - (d) 39 °C
53. Abnormal accumulation of lipid or fatty substances and fibrous tissue in vessel wall is known as
- (a) Atherosclerosis
 - (b) Hemophilia
 - (c) Hodgkin's disease
 - (d) Arteriosclerosis
54. The most common leukemic cancer in children is
- (a) Myelocytic leukemia
 - (b) Acute myelogenous leukemia
 - (c) Lymphocytic leukemia
 - (d) Acute lymphocytic leukemia
55. What should be avoided in a patient diagnosed with haemophilia?
- (a) Physical therapy
 - (b) Orthopedic appliances
 - (c) Taking aspirin
 - (d) Factor replacement therapy
56. The colour of stool in haemorrhoid is
- (a) Bright red
 - (b) Dark red
 - (c) Black
 - (d) Green
57. One of the causative factors in peptic ulcer include mucosal infection by
- (a) Virus
 - (b) Streptococcus
 - (c) Bacteria
 - (d) Staphylococcus

58. Clinical manifestations not associated to appendicitis is
- (a) Tenderness at Mac Burney's point (b) Diminished bowel sound
(c) Fever (d) Dyspnea
59. Hepatitis C spreads via
- (a) Feco-oral route (b) Sexual activity
(c) Blood or blood product transfusion (d) Breast feeding
60. An injury to ligamentous structure surrounding a joint is called
- (a) Sprain (b) Strain
(c) Contusion (d) Concussion
61. If plaster is applied on a cast on a patient with fracture, the drying may take
- (a) 6 – 11 hours (b) 12 -23 hours
(c) 24 – 48 hours (d) 49 -72 hours
62. The most common causative organism of UTI in women is
- (a) E.Coli (b) H.Pylorus
(c) Listeria monocytogenes (d) Toxoplasma
63. An acute inflammation and infection of the renal pelvis, tubules and interstitial tissue is called
- (a) Cystitis (b) Urethritis
(c) Pyelonephritis (d) Uraemia
64. Severe traumatic brain injury (TBI) is characterized by Glasgow Coma Scale of 3 to 8 with loss of consciousness longer than
- (a) 3 hours (b) 6 hours
(c) 12 hours (d) 15 hours
65. A series of generalized seizures without return to consciousness between attacks is called
- (a) Status epilepticus (b) Petit mal seizures
(c) Myoclonic seizures (d) Febrile seizures
66. A Parkinson patient should be made to avoid
- (a) Physical therapy (b) Relaxation technique
(c) Vitamin fortified foods (d) Speech therapist
67. When body weight exceeds 20 % of acceptable weight for height and gender or BMI is _____ or greater, it is termed as obesity
- (a) 10 (b) 20
(c) 30 (d) 40
68. Gout is a metabolic disorder characterized by elevated
- (a) Uric acid (b) Creatinine
(c) ASO titre (d) Protein
69. In hyperthyroidism, there will be
- (a) Elevated cholesterol (b) Elevated serum phosphorus
(c) Supressed TSH (d) Elevated TSH
70. According to Parkland formula, in the first 24 hours _____ R/L x weight in kilogram x % TBSA burned
- (a) 3 ml (b) 4 ml
(c) 5 ml (d) 6 ml

71. There will be purulent discharge in conjunctivitis if infected by
- (a) Neisseria gonorrhoea
 - (b) Chlamydia
 - (c) Staphylococcus
 - (d) Streptococcus pneumonia
72. In glaucoma after trabulectomy surgery, the head of the patient should be elevated 30 degree to promote
- (a) Aqueous humor production
 - (b) Drainage of aqueous humor
 - (c) Blood osmolarity
 - (d) Administration of drops
73. The best cure for cataract is
- (a) Eyedrops
 - (b) Oral medication
 - (c) Surgery
 - (d) Antibiotic ointments
74. Mode of transmission of measles is
- (a) Droplet infection
 - (b) Direct contact
 - (c) Oro – fecal
 - (d) Fomites
75. In chicken pox, rash appears within
- (a) 12 hours
 - (b) 24 hours
 - (c) 36 hours
 - (d) 48 hours

* * * * *