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No. Admin/Rect/2025

Date: 11.03.2025

Subject: Invitation for feedback/ representation(s), if any, on the Question Paper and the Answer Keys of the written test held on **11.03.2025** for the post of **Junior Staff Nurse (Job Ref. No. 50513161)**.

The Question Paper and the Answer Key of the Written Test conducted for the post of **Junior Staff Nurse (Job Ref. No. 50513161)** on **Tuesday, 11.03.2025**, are enclosed below as **Annexure I**.

Feedback/ concern(s)/ representation(s), if any, is/are invited from the candidates regarding the answer to any question, on the email id uic.rec.staff@iitb.ac.in latest by **today, i.e., on 11.03.2025, before 01:15 p.m.**

By Order

Note: Candidates must be specific in their representations/ concerns/ feedback and indicate their question(s) and explanation(s), if desired.

INDIAN INSTITUTE OF TECHNOLOGY BOMBAY

Written Examination for the Post of JUNIOR STAFF NURSE (JOB REF. NO.
50513161)

ID No:

Duration: 1.00 hrs

Maximum Marks: 60

INSTRUCTIONS TO CANDIDATES

Read the instructions carefully before answering the questions: -

1. **IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS BOOKLET DOES NOT HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS ETC. IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET.**
2. **Use only Black Ball Point Pen to the Sheet.**
3. Do not write anything else on the sheet except the required information.
4. **This Test Booklet contains 60 questions in MCQ Mode.**
5. After the completion of the exam, please submit your answer sheets to the Invigilator only.
6. **Marking Scheme**
THERE WILL BE NO NEGATIVE MARKING FOR WRONG ANSWERS MARKED BY A CANDIDATE IN THE OBJECTIVE TYPE QUESTION PAPERS.
 - i. There are four alternatives for the answer to every question.
 - ii. If a candidate gives more than one answer, it will be treated as a wrong answer even if one of the given answers happens to be correct.

DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE ASKED TO DO SO

Post of junior Staff Nurse

(Advertisement no. Admin-II/EXT386/2023, Job Ref. No. 50513161)

Date: 11.3.2025

Max. Time. 60 min.

No. of Questions: 60

Maximum marks: 60

Please read all questions carefully and answer only one choice

1. Crackling sounds bilaterally at the bases of lungs is referred as:
 - A. Rhonchi
 - B. Wheezing
 - C. Rales
 - D. Pleural rub
2. Creatinine is a metabolic waste product excreted in urine and derived from?
 - A. Liver
 - B. Muscle
 - C. Bone
 - D. Skin
3. For active management of the third stage of labour the nurse should administer?
 - A. Oxytocin 10 units within 1 minute
 - B. Oxytocin 10 units within 5 minutes
 - C. Oxytocin 5 units within 1 minute
 - D. Oxytocin 5 units within 5 minutes
4. Which of the following technique is appropriate for wound dressing
 - A. medical asepsis
 - B. surgical asepsis
 - C. septic technique
 - D. medical and surgical asepsis

5. The priority nursing intervention for a client who is admitted with paranoid schizophrenia is?
 - A. Establish a structured daily routine
 - B. Plan a program of self-fulfilment.
 - C. Provide patient and others with a safe environment
 - D. Do a mini-mental status examination
6. Which of the following type of insulin is prescribed for a patient with diabetic ketoacidosis?
 - A. Long-acting insulin
 - B. Lente insulin
 - C. Human Regular insulin
 - D. Human NPH insulin
7. Absence of bowel sounds and abdominal distention after abdominal surgery indicates?
 - A. Haemorrhage
 - B. Intussusception
 - C. Paralytic ileus
 - D. Flatulence
8. For assessing the gestational age of a preterm infant, the nurse should use.....?
 - A. Palmar creases
 - B. Reflex stability
 - C. Breast bud size
 - D. Head to toe length
9. Which of the following is a mental health nursing model?
 - A. King
 - B. Neumann
 - C. Casey
 - D. Peplau
10. The ideal roller bandage application for body parts where the thickness varies, such as over the forearm, is?
 - A. Simple spiral
 - B. Figure of eight
 - C. Reverse spiral
 - D. Divergent Spica

11. Most common cause of postpartum haemorrhage
- A. Bleeding disorders
 - B. Abruptio placenta
 - C. Placenta previa
 - D. Atonic uterus
12. While administering oxygen by nasal catheter it should be changed at least after every-
- A. 48 hours
 - B. 24 hours
 - C. 36 hours
 - D. 8 hours
13. On application of hot compress to a client heat is transmitted through
- A. conduction
 - B. convection
 - C. evaporation
 - D. radiation
14. A patient with difficulty breathing may benefit from:
- A. High-Fowler's position
 - B. Supine position
 - C. Prone position
 - D. Lateral position
15. The building blocks of proteins are:
- A. Amino acids
 - B. Fatty acids
 - C. Nucleotides
 - D. Glucose
16. A patient with chronic kidney disease is at risk of developing:
- A. Hyperkalaemia
 - B. Hypokalaemia
 - C. Hypernatremia
 - D. Hypocalcaemia
17. A child with cystic fibrosis is at risk of developing:
- A. Pulmonary infections
 - B. Diabetes mellitus
 - C. Gastrointestinal problems
 - D. All of the above

18. A key component of community health nursing is:

- A. Hospital-based care
- B. Home health care
- C. Public health nursing
- D. Acute care nursing

19. A common side effect of antipsychotic medication is:

- A. Increased energy
- B. Decreased appetite
- C. Tardive dyskinesia
- D. Insomnia

20. A common surgical incision for appendectomy is:

- A. Midline incision
- B. McBurney's incision
- C. Kocher's incision
- D. Pfannenstiel incision

21. 3D's (diarrhoea, dementia, dermatitis) are the characteristic of which deficiency disorder?

- A. Thiamine
- B. Biotin
- C. Niacin
- D. Riboflavin

22. To perform colostomy irrigation the catheter should be inserted in the stoma upto

- A. 5cms
- B. 10 cms
- C. 15 cms
- D. 20 cms

23. Definitive diagnostic method for pulmonary embolism is

- A. Pulmonary angiography
- B. Pulmonary function test
- C. Pulse oximetry
- D Ventilation perfusion scan

24. The death of the baby before, during delivery or within the first 7 days of birth is called:

- A. Neonatal mortality Rate.
- B. Perinatal mortality rate
- C. Neonatal morbidity rate
- D. Infant morbidity rate Answer

25. Ejection of the milk is:

- A. Mammogenesis
- B. Lactogenesis
- C. Galactokinesis
- D. Galactopoiesis

26. which of these planes does the chest leads of 12 lead ECG RECORD THE HEART electrical activity

- A. Sagittal
- B. Coronal
- C. Transverse
- D. Horizontal

27. Commonest site for peptic ulcer is

- A. Oesophagus
- B. Fundus part of stomach
- C. Duodenum
- D. Antral part of stomach

28. Murphy's sign is an important sign associated with

- A. Appendicitis
- B. pancreatitis
- C. Cholelithiasis
- D. Cholecystitis

29. The pathognomonic sign of measles is Koplik's spot. You may see Koplik's spot by inspecting the:

- A. Nasal Mucosa
- B. Buccal mucosa
- C. Skin on the abdomen.
- D. Skin on the antecubital surface

30. The nurse is to administer a tuberculin skin test. What is the correct procedure?

- A. Give it subcutaneously in the inner aspect of the forearm.
- B. Use a 21-gauge needle and administer in the forearm.
- C. Give it at a 10-degree angle in the volar surface of the arm.
- D. Administer it intradermally in the upper arm.

31. O positive blood is not present in the blood bank. Which blood group may be given to the patient

- A. O negative
- B. AB positive
- C. A positive
- D. B positive

32. The "P" wave in the E.C.G corresponds to

- A. Atrial depolarization
- B. Atrial Repolarization
- C. Ventricular Depolarization
- D. Ventricular Repolarization

33. Which of the following is correct?

- A. Lymph = Plasma + WBC's + RBC's
- B. Plasma = Blood – Lymphocytes
- C. Neuron = Cyton + Dendron + Axon + Synapse
- D. Blood = Plasma + RBC's + WBC's + Platelets

34. WIDAL test for typhoid fever is a type of

- A. Latex agglutination test
- B. Co-agglutination test
- C. Haemagglutination test
- D. Direct Agglutination test

35. Gloves Are Sterilized By Autoclaving For?

- A. 20 Min. At 250 Degree F to 254 Degree F
- B. 30 Min. At 200 Degree F to 204 Degree F
- C. 20 Min. At 200 Degree F to 204 Degree F
- D. 30 Min. At 250 Degree F to 254 Degree F

36. CSSD stands for

- A. Central sterile supply department
- B. Central storage supply department
- C. Central supply sterile department
- D. central supply storage department

37. First line treatment of Mania is

- A. Benzodiazepine
- B. Haloperidol
- C. Lithium
- D. None of the above

38. Which administration of Parenteral iron helps avoid leakage into subcutaneous tissue

- A. Z track method
- B. Iron injection into deltoid
- C. Subcutaneous Injection
- D. Intradermal injection

39. In Triage yellow colour indicates

- A. Emergency
- B. Non-Emergency
- C. Urgent
- D. Dead

40. When helping a client who is recovering from a stroke to walk, the nurse aide should assist:

- A. on the client's strong side
- B. on the client's weak side
- C. from behind the client
- D. with a wheelchair

41. The position ideal for Ryle's tube insertion?

- A. Supine position.
- B. Left lateral position.
- C. High Fowler's position.
- D. Neck extended position

42. A patient presents with severe airway obstruction. What term describes the high-pitched noise that the patient is exhibiting with inspiration

- A. Stridor
- B. Tachypnoea
- C. Wheezing
- D. Ronchi

43. In head injury, mannitol is given to _____

- A. Prevent seizures
- B. Decrease ICP
- C. Maintain body temperature
- D. Loss of appetite

44. Ablative surgery refers to:

- A. Surgery aimed to relieve pain or reduce symptoms caused by a disease
- B. Surgery that replaces malfunctioning structures
- C. Surgery used to restore structure or function
- D. Surgery carried out in order to remove diseased body parts

45. 'Silent epidemic' of the century is?

- A. Coronary artery disease
- B. Chronic liver disease
- C. Chronic obstructive pulmonary disease
- D. Alzheimer's disease

46. Which is the correct ratio of chest compressions to rescue breaths for use in CPR of an adult casualty?

- A. 2 compressions: 30 rescue breaths.
- B. 5 compressions: 1 rescue breath.
- C. 15 compressions: 2 rescue breaths.
- D. 30 compressions: 2 rescue breaths.

47. Atropine given during cardiac arrest acts on which nerve

- A. Vagus nerve
- B. Trigeminal
- C. Hypoglossal
- D. Spinal accessory

48. Collapsing pulse is also known as

- A. Bigeminal pulse
- B. Pulsus alternans
- C. Water hammer pulse
- D. Bounding pulse

49. Formula for Body mass indexing (BMI) is.

- A. Height divided by weight
- B. Weight divided by height
- C. Weight divided by height squared
- D. Height divided by weight squared

50. How much calories per day required by breastfeeding woman?

- A. 1000.
- B. 1800.
- C. 2200.
- D. 2700.

51. What does AVPU stand for?

- A. Alert, Voice, Pain, Unresponsive
- B. Awake, Voice, Pain, Unresponsive
- C. Alive, Voice, Pinch, Unresponsive
- D. Asleep, Voice, Pain, Unresponsive

52. Prompt recognition and treatment of cardiopulmonary arrest is important due to the need to maintain oxygen supply to the

- A. Heart
- B. Brain
- C. Lungs
- D. Blood vessels

53. A patient arrives in the emergency department with symptoms of myocardial infarction, progressing to cardiogenic shock. Which of the following symptoms should the nurse expect the patient to exhibit with cardiogenic shock?

- A. Hypertension.
- B. Bradycardia.
- C. Bounding pulse
- D. Confusion.

54. Which of the following is a primary manoeuvre used to dislodge a foreign body from the airway?

- A. Blow to the upper back
- B. Mouth to mouth ventilation
- C. Abdominal thrusts
- D. Chest compressions

55. What class of drug is typically used to treat neurogenic shock?

- A. Beta-blocker
- B. Calcium-channel blocker
- C. Loop diuretic
- D. Vasopressor

56. The nurse is assessing a client with delayed wound healing. Which of the following risk factors is most important in this situation?

- A. Glucose level of 120 mg/dl.
- B. History of myocardial infarction.
- C. Long term steroid usage.
- D. Diet high in carbohydrates

57. In teaching parents to associate prevention with the lifestyle of their child with sickle cell disease, the nurse should emphasize that a priority for their child is to:

- A. Avoid overheating during physical activities.
- B. Maintain normal activity with some restrictions.
- C. Be cautious of others with viruses or temperatures.
- D. Maintain routine immunizations

58. The nurse asked the patient to read the Snellen chart. Which of the following is tested.

- A. Optic N.
- B. Olfactory N.
- C. Oculomotor N.
- D. Trochlear N.

59. The most common injury among elderly person is

- A. Atherosclerotic changes in the blood vessels
- B. Increased incidence of gall bladder disease
- C. Urinary tract infection
- D. Hip fracture

60. The most common deficiency seen in alcoholics is

- A. Thiamine
- B. riboflavin
- C. Pyridoxin
- D. Pantothenic acid

**Answer key for the question paper of Junior Staff Nurse
(Job Ref. No. 50513161)**

ANSWER KEY

1. C	2. B	3. A	4. B	5. C
6. C	7. C	8. C	9. D	10. C
11. D	12. D	13. A	14. A	15. A
16. A	17. D	18. C	19. C	20. B
21. C	22. B	23. A	24. D	25. C
26. D	27. C	28. D	29. B	30. D
31. A	32. A	33. D	34. B	35. A
36. A	37. C	38. A	39. C	40. B
41. C	42. A	43. B	44. D	45. D
46. D	47. A	48. C	49. C	50. D
51. A	52. B	53. C	54. C	55. D
56. C	57. D	58. A	59. D	60. A