

INDIAN INSTITUTE OF TECHNOLOGY ROPAR
WRITTEN EXAMINATION

STAFF NURSE

Date of the Examination: 23/12/2023

Maximum Marks: 70

Time: 90 Minutes

Name of Candidate: _____

Roll No.: _____

INSTRUCTIONS TO CANDIDATES

1. This question paper has 70 questions. Each question carries one mark. There are four choices for answer (A, B, C, D) to each question. Choose the correct answer (one only) for each question and mark it on the Optical Response Sheet (ORS).
2. Read the instructions given in the ORS sheet carefully.
3. Use a Black/Blue ball point pen only to fill the ORS Sheet.
4. The candidate should check that the booklet does not have any unprinted or torn or missing pages or questions etc. If so, get it replaced with another question paper.
5. While marking your answer on the ORS Sheet fully darken the circle.
6. One (1) mark will be awarded for each correct answer and each incorrect answer and unanswered questions will not attract marks. There is no negative marking.
7. Return the ORS Sheet and the question paper to the invigilator after the examination is over.
8. Mobile, Electronic Watch and other Electronic Gadgets are prohibited in the examination.
9. Use of Unfair Means in Examination will lead to cancellation of candidature.

Signature of the candidate: _____

Good Luck

1. In the following question, out of the given alternatives, choose the one which best expresses the meaning of the given word.

ENCUMBRANCE

- A. Incentive B. Stimulant C. Impediment D. Inducement

2. In the following question, out of the four alternatives, choose the one which can be substituted for the given words.

Wildly unreasonable, illogical or ridiculous.

- A. Adject B. Adept C. Arid D. Absurd

3. Pick out the most effective word from the given words to fill in the blanks to make the sentence meaningfully complete.

These essays are intellectually _____ and represent various levels of complexity.

- A. revealing B. modern C. superior D. demanding

4. In the following question, incomplete statements followed by some fillers are given. Pick out the best one which can complete the statement correctly and meaningfully.

Whichever way you approach the problem,

- A. no one will not be solve
B. it will not be solve
C. it will not solve
D. it will not be solved

5. In the following question four words are given, out of which either only one word is correctly spelt or only one word is incorrectly spelt. Find the correctly/incorrectly spelt word.

- A. Enterprenure B. Entreprenure C. Entrepreneur D. Enterpreneur

6. In the following question one of the term in the number series is wrong, Find out the wrong term?

10, 26, 74, 218, 654, 1946, 5834

- A. 26 B. 74 C. 218 D. 654

7. Which of the following elements should come in place of '?'

AB3 CE6 FI10 JN15 ?

- A. OT20 B. TO21 C. OT21 D. TS21

8. In the following question, there is certain relationship between two given words on one side of :: and one word is given on another side of :: while another word is to be found from the given alternatives, having the same relation with this word as the words of the given pair bear. Choose the best alternative.

Novelty : Oldness :: Newness : ?

- A. Culture B. Discovery C. Model D. Antiquity

9. Choose the odd pair of words.

- A. White : Dirty B. Easy : Difficult C. Brave : Coward D. End : Beginning

10. In the following question, find out which of the letter-series follows the given rule.

Number of letters skipped in between the adjacent letters in the series are multiple of 3.

- A. AELPZ B. DHLPU C. GKOTZ D. LORUX

11. How many zeros will be required to number the pages of a book containing 1000 pages?

- A. 168 B. 184 C. 192 D. 216

12. A tailor has 37.5 meters of cloth and he has to make 8 pieces out of a meter of cloth. How many pieces can be made out of this cloth.

- A. 320 B. 360 C. 400 D. None of these

13. A man takes 8 minutes to type a page. If 1710 pages are to be typed in the afternoon between 1 o'clock to 2 o'clock, how many men are required?

- A. 221 B. 249 C. 256 D. None of these

14. The average weight of boys in a class is 30 kg and the average weight of girls in the same class is 20 kg. If the average weight of the whole class is 23.25, what could be the possible strength of boys and girls respectively in the same class?

- A. 14 and 26 B. 13 and 27 C. 17 and 27 D. None of these

15. The ages of Sulekha and Arunima are in the ratio 9 : 8 respectively. After 5 years, the ratio of their ages will be 10 : 9. What is the difference in their ages.

- A. 4 years B. 5 years C. 6 years D. 7 years

16. Who came to India during the time of Chandragupta Maurya?

- A. Faxian (Fa-Hien) B. Xuanzang (Hiuen Tsang) C. Megasthenes D. Strabo
17. The Madagascar island is found in?
A. Pacific Ocean B. Atlantic Ocean C. Indian Ocean D. Mediterranean Sea
18. Chairperson and Members of the State Human Rights Commission are appointed by?
A. Governor B. President
C. Chief Justice of the High Court of the Concerned State D. Chief Justice of India
19. PM JANMAN scheme, which was launched recently, is associated with which category of people?
A. MSME Owners B. PVTGs C. Farmers D. NRIs
20. Which country announced the Indo-Pacific tech envoy?
A. UK B. USA C. Australia D. Germany
21. What is position of femoral vein to the femoral artery in the femoral sheath?
A Lateral
B medial
C anterior
D posterior
22. During the cardiac cycle the opening of the aortic valve take place at the :
A beginning of systole
B end of isovolumetric contraction
C end of diastole
D end of diastasis
23. Which of the following organs is not involved in calcium homeostasis ?
A kidneys
B skin
C intestine
D lungs
24. Which statement is not correct regarding reception of patient for post - operative care :
A receive the patient without disturbing the devices attached to patient.
B quickly observe the functioning of all devices attached to patient.
C see record for any complication that has occurred in operative room
D check doctor orders later on.
25. When a patient is irritated , it is advisable to :
A Take the patient aside to sit down and talk about what bothering him or her

- B Ask the patient to write a letter listing his or her grievances.
 - C Apologize for your perceived misconduct immediately.
 - D Threaten the patient with termination of the relationship
26. The nurse is assigned to care for 4 patients. In planning patient rounds, which patient should the nurse assess first ?
- A A patient requiring daily dressing changes
 - B A patient scheduled for a chest X-ray
 - C A postoperative patient preparing for discharge
 - D A patient who had difficulty breathing during the previous shift
27. Drug used as a local anaesthetic is
- A lignocaine
 - B morphine
 - C atropine
 - D diazepam
- 28.. A physician orders 1000 ml of normal saline to infuse over 12 hours. A nurse prepares to set the flow rate at how many drops per minute ? (the drop factor is 15 drops / 1 ml.)
- A approximately 19 drops per minute
 - B approximately 21 drops per minute
 - C approximately 23 drops per minute
 - D approximately 25 drops per minute
29. How to hold pinna in adult while examining the ear canal
- A Pulling the pinna up and back
 - B Pulling the pinna down and back
 - C Pulling pinna backwards
 - D Both A and B
30. The nurse notes that a patient 's intravenous (IV) site is cool, pale & swollen, and then solution is not infusing. The nurse concludes that which of the following complication has been experienced by the patient ?
- A infiltration
 - B infection
 - C phlebitis
 - D thrombosis
31. Drug used as a injectable anti-emetic is
- A Domperidone
 - B Ranitidine
 - C Metoclopramide
 - D Pantoperazole

32. Sitz bath is :
- A a bath is taken in standing position
 - B a bath is taken in lying position
 - C a bath is taken in sitting position
 - D none of the above
33. The nurse caring for the patient following a motor vehicle accident notes that when inhaling and exhaling, one section of the patient's chest moves independently and in the opposite direction of the rest of the chest wall. The nurse should inform the doctor that he/she suspects:
- A The patient is suffering from respiratory fatigue
 - B Flail chest
 - C Pneumothorax
 - D Early onsets of ARDS
34. To which of the following nursing diagnosis would a nurse give first priority in caring for a patient who has sustained serious facial and neck burns ?
- A ineffective thermoregulation
 - B ineffective airway clearance
 - C fluid volume deficit
 - D ineffective analgesia
35. A patient is treated for a sprained ankle after a fall. X-Ray is normal. Before sending the patient home, the nurse plans to teach the patient to avoid which of the following in the next 24 hours ?
- A applying a heating pad
 - B applying an elastic compression bandage
 - C Elevating the ankle on a pillow while sitting or lying down
 - D resting the foot
36. A patient has sustained a closed fracture and has just had a cast applied to the affected arm. The patient is complaining of intense pain. The nurse elevates the limb & administers an analgesic, with little relief. The nurse interprets that this pain may be caused by :
- A Impaired tissue perfusion
 - B infection under the cast
 - C the recent occurrence of the fracture
 - D the anxiety of the patient
37. Which of the following is NOT a stroke symptom ?
- A sudden crushing pain in the chest
 - B Sudden inability to talk or understand others
 - C Sudden, very painful headache
 - D Sudden weakness, numbness or inability to move a body part
38. The nurse is caring for the patient in the emergency following a head injury. The patient momentarily lost consciousness at the time of the injury and then regained it. The patient now has lost consciousness again. The nurse takes quick action, knowing that this is compatible with :

- A Concussion
 - B skull fracture
 - C subdural hematoma
 - D epidural hematoma
39. The following are the interventions to keep patent airway in unconscious patient, except:
- A maintain the position of the patient into a side lying position
 - B introduce an airway into the mouth to keep the airway patent
 - C if any denture, remove them
 - D keep room ventilated to supply fresh air to the patient
40. A nurse is assessing a patient with a fractured femur. The development of a fat embolus in this patient would be indicated by
- A calf muscle tenderness
 - B abdominal distension
 - C urinary retention
 - D shortness of breath
41. Oximetry is used to measure :
- A to measure pressure of gases during anaesthesia.
 - B to measure central venous pressure
 - C to measure arterial blood pressure
 - D to measure oxygen saturation
42. Purpose of eye padding in an unconscious patient is to prevent
- A Dryness of eye
 - B Lacrimation
 - C Photosensitivity
 - D Corneal ulcer
43. A 30 year old worker developed itchy , annular scaly plaques in both groins. Application of corticosteroid cream led to temporary relief but the plaques continued to extend at the periphery. The most likely diagnosis is ?
- A Granuloma annulare
 - B Erythema annulare centrifugum
 - C Tinea cruris
 - D Annular lichen planus
44. Which of the following clinical manifestation would support a nursing diagnosis of decreased cardiac output?
- A bounding peripheral pulses
 - B increased urinary output
 - C cool, moist skin

D none of the above

45. The Nurse is reviewing an ECG rhythm strip. The P wave & QRS complexes are regular. The PR interval is 0.16 second & the QRS complex measures 0.06 seconds. the overall rate is 62 beats/min. Which of the following would be a correct interpretation based on these characteristics?
- A sick sinus syndrome
 - B sinus bradycardia
 - C first degree heart block
 - D normal sinus rhythm
46. A patient with angina has a 12 leads ECG taken during an episode of chest pain. A nurse examines the tracing for which ECG change caused by myocardial ischemia?
- A widened QRS complex
 - B Tall peaked T waves
 - C ST segment deviation from base line
 - D ST segment duration prolongation
47. 10 ml. of air is pushed through Ryle tube, after its insertion to check whether it is in correct place or not, which statement is true on auscultation with stethoscope, if tube is in correct position?
- A air can be heard best in the sternal region
 - B air can be heard best in the epigastric region
 - C air can be heard best in the left hypochondrium region
 - D air can be heard best in the right hypochondrium region
48. Which of the following secretions has a very high pH?
- A Gastric juice
 - B Pancreatic juice
 - C bile in gall bladder
 - D saliva
49. The nurse is assessing a patient who is experiencing an acute episode of cholecystitis. Where should the nurse anticipate the location of the pain?
- A Right upper quadrant of abdomen, radiating to chest
 - B Right upper quadrant of abdomen, radiating to right scapula & shoulder
 - C Right upper quadrant of abdomen, radiating to umbilicus
 - D Right upper quadrant of abdomen, radiating to Right lower quadrant
50. A patient arrives at the emergency with complaints of low abdominal pain & hematuria. The patient is afebrile. The nurse next assess the patient to determine a history of:
- A Pyelonephritis
 - B Glomerulonephritis
 - C Trauma to the abdomen or bladder
 - D Renal cancer in the patient's family

51. The best marker to diagnose hypothyroid related disorder is :
A T3
B T4
C TSH
D Thyroglobulin
52. The patient received 20 units of Insulin Aspart subcutaneously at 7 pm. The Staff Nurse should assess the patient for a hypoglycemia reaction at around :
A 7.45 PM
B 8.30 PM
C 9.15 PM
D 9.45 PM
53. Which of the following is a feature of false labour pain?
A Associated with show
B Frequency of contraction increases
C Not associated with hardening of the uterus
D Progressive dilatation of uterus
54. The contraindication of induction of labour includes the following, except :
A Foetal Macrosomia
B Cord presentation
C Cephalopelvic disproportion
D Placenta praevia
55. On 3rd post partum day, mother noticed some blood stained discharge from vagina of her new born female baby. The best response from nurse
A Assess the new-born for bleeding from other body parts
B Send blood sample for coagulation studies
C Reassure the mother that it is a normal bleeding
D Call the doctor immediately
56. Sharp instruments should not be sterilized by
A Hot air oven
B Antiseptic solution
C Cooling
D Boiling
57. The following are the methods of transmission of cross infection, except :
A contact with secretion of infected person
B unsterile instrument
C droplet infection

D use of antiseptic solution

58. all are example of wound drain , except :
- A corrugated drains
 - B rubber tubes
 - C T' tubes
 - D foley catheter
59. Regarding Hand washing in surgical O.T., correct statement is :
- A water should run from hands to elbow direction
 - B water should run from elbow to hands direction
 - C direction of water run , not of much significance
 - D both hands & elbow are washed simultaneously.
60. What is the color coding of bag in hospital to dispose off human anatomical waste such as body parts ?
- A Black
 - B Red
 - C Yellow
 - D Blue
61. The following are the known precautions during urinary catheterisation in female patient, except:
- A use one swab for one swabbing
 - B clean only in one direction from the clitoris to the anus.
 - C clean only in one direction from the anus to the clitoris.
 - D clean vulva by separating the labia minora.
62. Which of the following hepatitis virus have significant Feaco-oral transmission:
- A hepatitis D virus
 - B hepatitis C virus
 - C hepatitis B virus
 - D hepatitis A virus
63. Endemic Disease means that a disease?
- A Occurs clearly in excess of normal expectancy
 - B Is prevalent among animals
 - C Exhibits seasonal patterns
 - D Is constantly present in a given population group
64. Parents brought a 4 months old with lethargy and poor feeding. Which among the following finding suggestive of fluid volume deficit in child?
- A A sunken fontanel
 - B Enough tears
 - C Increased blood pressure

- D Drinking water
65. Which of the following is true about measurement of nasogastric tube in infants?
- A From the nostril to the end of sternum
 - B From the tip of head to sternum
 - C From nostril to ear lobe, then to a point midway between the xiphoid process and umbilicus
 - D Any of the above measurement can be used
66. Which vaccine given to forms blister and heals by itself and forms permanent scar mark after administration is?
- A MMR
 - B BCG
 - C Polio
 - D DPT
67. The most important role of nurse in caring for a patient with a mental health disorder is to
- A Establish trust and rapport
 - B know how to solve the patient's problems
 - C Offer advice
 - D Set limits with the patients
68. For the treatment of case of class III dog bite, all of the following are correct except ?
- A Immediately wash wound with soap and water
 - B Immediately stitch wound under antibiotic coverage
 - C Give ARV (anti rabies vaccination)
 - D Give immunoglobins for positive immunity
69. In methyl alcohol poisoning there is CNS depression. These effects are produced due to ?
- A Acetaldehyde
 - B Formaldehyde and formic acid
 - C Pyridine
 - D Acetic acid
70. An emergency room nurse is assessing a patient who has sustained a blunt injury to the chest wall. Which of these signs would indicate the presence of a pneumothorax in this patient ?
- A A low respiratory rate
 - B A sucking sound at the site of injury
 - C Diminished breath sounds
 - D The presence of a barrel chest

Drinking water

What is the following a true or false statement of management practice?

When the water is at the end of the line

from the end of the line to the pump

I am going to say that there is a point midway between the pump and the

and the pump

any of the above measurement can be used

When a reaction gives to form a product and heat is given off, the reaction is exothermic

exothermic

exothermic

exothermic

exothermic

exothermic

exothermic

exothermic

exothermic

exothermic

exothermic

exothermic

exothermic

exothermic

exothermic

exothermic

exothermic

exothermic

exothermic

exothermic

exothermic

exothermic

exothermic

exothermic

exothermic

exothermic

exothermic

exothermic

exothermic

exothermic

exothermic

exothermic

exothermic

exothermic

exothermic

exothermic

exothermic

exothermic

exothermic

exothermic

exothermic

exothermic

exothermic

exothermic

exothermic

exothermic

exothermic

exothermic

exothermic