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(एक राष्ट्रीय महत्व का संस्थान, विज्ञान एवं प्रौद्योगिकी विभाग, भारत सरकार)  
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Roll No.

**WRITTEN TEST FOR THE POST OF SR. NURSING OFFICER (THEATRE) - A**

DATE: 19.05.2025

TIME: 12.00 noon

DURATION: 60 Minutes

TOTAL MARKS: 50

**INSTRUCTIONS TO CANDIDATES**

1. Write your roll number on the top of the question booklet and in the **OMR** sheet
2. Each question carries **one (1)** mark
3. There will be no negative marking
4. Each question carries 4 options i.e. **a, b, c** and **d**. Darken completely the bubble corresponding to the most appropriate answer using **blue or black ball point pen**.
5. Marking more than one answer will invalidate the answer.
6. Candidate should sign on the question paper and answer sheet
7. Candidate should hand over the question paper and OMR sheet to the invigilator before leaving the examination hall.

**Signature of the Candidate**

*[Handwritten Signature]*

**WRITTEN TEST FOR THE POST OF SENIOR NURSING OFFICER (THEATRE)**

**QUESTIONS**

1. What is the primary goal of planning in nursing administration?
  - A. To supervise activities of nursing staff.
  - B. To set objectives and determine strategies to achieve them
  - C. To allocate resources and coordinate tasks
  - D. To ensure compliance with regulatory requirements
  
2. What is the process of surgical time-out process?
  - A. Break time for surgical team to take a break in long cases
  - B. Shifting the patient to recovery room after surgery
  - C. Time to check patients' vital signs
  - D. Time for surgical team to confirm correct patient, site and surgery before beginning of surgery
  
3. What is the ideal humidity level in operation theatre?
  - A. 10-30%
  - B. 40-60%
  - C. 70-90%
  - D. 90-100%
  
4. Laminar airflow systems in operation theatre helps to:
  - A. Maintain noise levels and adequate lighting
  - B. Maintain constant humidity
  - C. Maintain constant temperature
  - D. Minimize airborne contamination
  
5. The minimum number of air changes per hour (ACH) in a standard operation theatre is:
  - A. 5 ACH
  - B. 10 ACH
  - C. 20 ACH
  - D. d.30 ACH
  
6. What is the purpose of antistatic flooring in operation theatres?
  - A. To prevent slipping
  - B. To maintain temperature of floor
  - C. To avoid electrical sparks
  - D. To enhance sound modulation

7. Which one of the following is a critical consideration for lateral decubitus positioning in Neurosurgical operation theatre?

- A. Avoiding over flexion of the neck
- B. Ensuring elevation of operative side
- C. Preventing pressure sore in upper limb
- D. Keeping head on dependent position

8. The Concorde position in Neurosurgical operation theatre is primarily used for surgeries involving which area?

- A. Frontal lobe
- B. Temporal lobe
- C. Posterior fossa
- D. Spinal cord

9. What is the primary function of a Wilson frame in spinal surgeries?

- A. To secure patient's bed
- B. To maintain flexed posture of spine and abdominal clearance
- C. To prevent pressure sore
- D. To support the arms during surgery

10. Which positioning devices are used in prolonged surgeries to evenly distribute pressure over bony prominences?

- A. Gel pads and cushions
- B. Mayfield clamps
- C. Cauterization pads
- D. Tongs

11. Fluorescein sodium is used in cranial surgeries primarily to visualize

- A. Electrical activity of resected region
- B. The integrity of skull bone
- C. The cerebrospinal fluid cells
- D. Tumour boundaries and vascularity

12. Gentle cycle in autoclaving refers to:

- A. Lower temperature and pressure, extended time, reduced drying cycle
- B. Autoclaving one item at a time
- C. High temperature and short time, flash drying
- D. None of the above



13. Introducing about hospital philosophy, mission, vision, programs, policies and values during the first 2 -3 days of employment to the newly joined nurses

- A. In-service education
- B. Continuing education
- C. Induction training
- D. Professional training

14. A nursing administrator must ensure that all patients must receive equal access to care regardless of their socioeconomic status. Which ethical principle is being upheld?

- A. Fidelity
- B. Veracity
- C. Justice
- D. Autonomy

15. Which of the following is a key component of patient safety culture?

- A. Penalizing staff for reporting errors
- B. Ensuring that only senior management handles safety protocols
- C. Keeping data related to patient safety confidential
- D. Open communication about errors and near misses

16. Which organization is the primary accrediting body for hospitals in India?

- A. Indian Medical Association (IMA)
- B. World Health Organization (WHO)
- C. Ministry of Health and Family Welfare (MOHFW)
- D. National Accreditation Board for Hospitals and Healthcare Workers (NABH)

17. Which of the following is the key characteristic of transformational leadership in nursing?

- A. Inspiring and motivating team members to achieve goals
- B. Micromanaging daily tasks
- C. Avoiding conflict and confrontation
- D. Maintaining strict hierarchical authority

18. In health care, artificial intelligence driven chatbots can primarily assist in

- A. Quality assessment
- B. Patient communication of health care needs
- C. Monitoring clinical records
- D. Design hospital infrastructure



19. What is the role of antibiotic stewardship program in health care?
- A. To promote the use of available antibiotics
  - B. To ensure appropriate prescription of antibiotics
  - C. To eliminate all bacteria from the body
  - D. To increase the use of broad-spectrum antibiotics
20. When is World Antimicrobial Awareness Week (WAAW) celebrated annually?
- A. March 15 – 21
  - B. October 10 – 16
  - C. November 18 – 24
  - D. December 1 – 7
21. One of the major challenges of Zero-based budgeting in health care is
- A. Time-consuming and resource intensive
  - B. Completely ignores organizational goals
  - C. Less accurate than traditional budgeting
  - D. Does not require cost justification
22. Nursing Informatics is best described as a combination of
- A. Nursing science, management science and patient education
  - B. Computer science, nursing science and information science
  - C. Data analysis, pharmacology and nursing practice
  - D. Medicine, computer programming, nursing theory
23. The highest-ranking official in nursing in India, associated with Ministry of Health and Family Welfare?
- A. Director of Nursing Services, Government of India
  - B. Directorate General of Health Services
  - C. Nursing Advisor to the Government of India
  - D. Deputy Director of Nursing Education
24. Performance appraisal of an employee where feedback is obtained from multiple sources including self-appraisal
- A. Paired comparison
  - B. Ranking method
  - C. Rating Scale
  - D. 360-degree feedback

25. Two factor theory of motivation was proposed by
- A. Fredrick Herzberg
  - B. Clayton Alderfer
  - C. Abraham Maslow
  - D. McGregor
26. Physiologically, coronary blood flow relates most directly to
- A. Mean arterial pressure
  - B. Myocardial oxygen consumption
  - C. Systolic blood pressure
  - D. Cardiac work
27. In patients who have undergone cardiopulmonary bypass, administration of milrinone is most likely to increase which of the following?
- A. Arterial blood pressure
  - B. Pulmonary capillary wedge pressure
  - C. Stroke volume
  - D. Systemic vascular resistance
28. Following hypothermic reperfusion, which of the following sites is not a method for core temperature monitoring?
- A. Upper esophagus
  - B. Pulmonary artery
  - C. Rectum
  - D. Great toe
29. Addition of 20 cm H<sub>2</sub>O positive end-expiratory pressure to a patient receiving controlled mechanical ventilation decreases cardiac output and left ventricular function by
- A. Increasing right ventricular preload
  - B. Increasing right ventricular afterload
  - C. Increasing left ventricular preload
  - D. Producing myocardial ischemia
30. Which of the following is not a physical examination finding in a young adult with coarctation of the aorta?
- A. Posterior systolic murmur between the scapulas
  - B. Diminished femoral pulses
  - C. Elevated blood pressure in left arm compared to right arm
  - D. Peripheral cyanosis

31. Which of the following results in the greatest increase in right-to-left shunting in an infant with cyanotic heart disease?
- A. Decreased pulmonary vascular resistance
  - B. Decreased systemic vascular resistance
  - C. Hemodilution
  - D. Increased heart rate
32. What kind of lights are currently used in the operation theatre?
- A. Fluorescent lamps
  - B. Light-emitting diode lights
  - C. Tungsten light
  - D. Liquid crystal display lights
33. This drug reduces blood pressure by acting centrally
- A. Labetalol
  - B. Clonidine
  - C. Enalapril
  - D. Nifedipine
34. Which is the most appropriate diuretic for treating acute pulmonary oedema?
- A. Thiazide diuretics
  - B. Loop diuretics
  - C. Potassium sparing diuretics
  - D. Osmotic diuretic
35. What is the ratio of the gases in medical air used in operation theatre?
- A. 78% Nitrogen, 21 % oxygen
  - B. 75 % Oxygen, 25 % Carbon dioxide
  - C. 60% Nitrogen, 20% Oxygen, 20% Carbon dioxide
  - D. 50% Nitrogen, 50% Oxygen
36. A variable that is presumed to cause a change in another variable is called a(n):
- A. Categorical variable
  - B. Dependent variable
  - C. Independent variable
  - D. Intervening variable

37. Excessive alcohol use while on warfarin sodium therapy leads to:
- A. Decreased anticoagulation effect
  - B. Decreased international normalized ratio
  - C. Increased anticoagulation effect
  - D. Increased vitamin K absorption
38. A patient has been receiving a heparin sodium intravenously for the last three days. The patient's most current platelet count is 65,000/uL; while the platelet count on admission was 350,000 /uL. The cardiac-vascular nurse contacts the physician to:
- A. Report that the medication level is subtherapeutic
  - B. Report that the patient is exhibiting signs of an adverse reaction
  - C. Request an increase in the medication infusion rate
  - D. Request an order for platelet transfusion
39. A patient who underwent a Coronary artery bypass grafting four weeks ago has a subsequent ejection fraction of 35%. The patient returns for a follow-up visit. Examination reveals lungs that are clear on auscultation, slight pedal edema and a fall in ejection fraction to 30%. The patient's medications are digoxin, furosemide, enalapril maleate, and aspirin. The patient reports a 2.27 kg weight gain over the past two days. The cardiac-vascular nurse's initial action is to:
- A. Document the weight and reassess the patient at the next session
  - B. Review the patient's most recent nuclear scan
  - C. Notify the patient's physician
  - D. Inquire about the patient's medication compliance
40. The feasibility of a research study should be considered in light of:
- A. Cost and time required to conduct the study
  - B. Skills required of the researcher
  - C. Potential ethical concerns
  - D. All of the above
41. The concept of "delegation" in nursing administration involves:
- A. A nurse administrator performing all tasks independently
  - B. Assigning tasks to qualified team members while maintaining accountability
  - C. Avoiding task assignments to reduce workload
  - D. Assigning tasks and accountability to staff members
42. Which of the following leadership styles in nursing is characterized by a nurse leader who involves staff in decision-making and encourages their participation?



- A. Autocratic
- B. Laissez-faire
- C. Democratic
- D. Transactional

43. What is a common challenge in the performance appraisal process?

- A. Overestimating the staff member's performance consistently
- B. Ensuring that feedback is specific and constructive
- C. Providing negative feedback only when warranted
- D. Ignoring personal biases and focusing only on performance data

44. A nurse in-charge is faced with a staff shortage during a busy shift. Which of the following strategies is the most effective in managing workload and ensuring patient safety?

- A. Cancelling all nonurgent procedures and treatment for the day
- B. Requesting surgeon to cancel surgeries and requesting earlier discharge
- C. Prioritizing patient care based on urgency and complexity and delegating tasks according to staff competencies
- D. Assigning all tasks to the most senior nurses to maintain control over care

45. A nurse in-charge is preparing for an upcoming accreditation visit. Which one of the following is essential to meet the requirement before visit?

- A. Organizing one-time review of the ward policies and procedure just before visit
- B. Ensuring that all staff are familiar with ward policies, current standard of care, routines, protocols and procedures
- C. Asking staff to prepare all documents on the day of visit
- D. Focus on one area of care rather than confusing with many guidelines and protocols

46. Which one of the following tool is commonly used in quality improvement to track and analyze data or improvements over time?

- A. Pareto chart
- B. Gantt Chart
- C. Fish bone diagram
- D. Run chart

47. When delegating a task, the nurse must consider the following factors EXCEPT:

- A. The complexity of the task
- B. The nurse's own workload
- C. The competencies of person whom the task is being delegated
- D. The legal and ethical considerations involved in delegation

48. Which of the following would be an example for ethical issue in nursing administration?

- A. Deciding on the best patient care protocol
- B. Managing work schedules to ensure adequate staffing levels
- C. Choosing between different patient care technologies based on cost
- D. Ensuring that nursing staff adheres to infection control practices

49. In a ventilated patient, what does tidal capnography waveforms indicate?

- A. Carbon dioxide in exhaled air
- B. Carbon dioxide in inhaled air
- C. Oxygen saturation of air at mid-inspiration
- D. Mean inspiratory pressure

50. Risk of infections in a post-operative neurosurgical patient is reduced by

- A. Presence of CSF leak
- B. Placement of CSF drain
- C. Routine prophylactic antibiotic use
- D. Endoscopic procedures

**WRITEEN EXAM FOR THE POST OF SENIOR NURSING OFFICER (THEATRE)**

**ANSWER KEY**

1	<b>B</b>	26	<b>B</b>
2	<b>D</b>	27	<b>C</b>
3	<b>B</b>	28	<b>D</b>
4	<b>D</b>	29	<b>B</b>
5	<b>C</b>	30	<b>D</b>
6	<b>C</b>	31	<b>B</b>
7	<b>A</b>	32	<b>B</b>
8	<b>C</b>	33	<b>B</b>
9	<b>B</b>	34	<b>B</b>
10	<b>A</b>	35	<b>A</b>
11	<b>D</b>	36	<b>C</b>
12	<b>A</b>	37	<b>C</b>
13	<b>C</b>	38	<b>B</b>
14	<b>C</b>	39	<b>D</b>
15	<b>D</b>	40	<b>D</b>
16	<b>D</b>	41	<b>B</b>
17	<b>A</b>	42	<b>C</b>
18	<b>B</b>	43	<b>B</b>
19	<b>B</b>	44	<b>C</b>
20	<b>C</b>	45	<b>B</b>
21	<b>A</b>	46	<b>D</b>
22	<b>B</b>	47	<b>B</b>
23	<b>C</b>	48	<b>C</b>
24	<b>D</b>	49	<b>A</b>
25	<b>A</b>	50	<b>D</b>

*Signature*