

BABA FARID UNIVERSITY OF HEALTH SCIENCES, FARIDKOT

OPERATION THEATRE ASSISTANT (Under DRME, Govt of Punjab)

QUESTION BOOKLET NO.

IMPRESSION OF THE CANDIDATE

OMR ANSWER SHEET NO.

ROLL NO:

FULL SIGNATURE OF THE CANDIDATE

FULL SIGNATURE OF THE INVIGILATOR

FULL SIGNATURE OF THE OBSERVER

Time Allowed: 1.00 Hours (11.00 AM to 12.00 noon)

Maximum Marks: 50

1. Use BLACK FINE TIP BALL PEN only. Use of pencil is not allowed.
2. Write your Roll number on the OMR answer-sheet and also on the question-booklet only in the space provided for the purpose and at no other place in the question booklets and Answer-sheet
3. Enter the Question Booklet Set and Number on the OMR Answer-sheet and also darken the corresponding bubbles with BLACK FINE TIP BALL PEN.
4. Do not put any marks anywhere in the Question booklet /on the OMR Answer-sheet.
5. **There are 50 objective type questions in all of 1 Mark each.** Before attempting the questions, check that the Question-booklet is complete. In case any question/part of question or page is missing, inform the Centre Superintendent within 5 minutes of the start of the examination. After that no claim will be entertained.
6. **Each question is followed by four alternative responses listed as A), B), C) and D) out of which only one is correct / most correct. In case, all the ovals are left blank, there will be deduction of marks @ 0.25 mark for each such unattempted question. Fifth oval 'E' (introduced for security purpose) is to be darkened in case you do not want to attempt the question to avoid negative marking.**
7. To open the question booklet, remove the seal gently when asked to do so. Handover the OMR Answer-sheet to the officer on duty on the completion of the time before you leave the examination hall.
8. **The candidates are permitted to carry his/her question booklet after completion of the examination but OMR Sheets are compulsory required to be deposited with the invigilator.**
9. A candidate who create disturbance of any kind or changes his/her seat or is found in possession of any paper possibility of any assistance to him/her or unfair means will be expelled from the examination by the Centre superintendent/Observer, whose decision shall be final. ("Expulsion" for this purpose would mean cancellation of the entire examination of the candidate).
10. **THE CANDIDATES ARE NOT PERMITTED TO CARRY ANY TELECOMMUNICATION EQUIPMENT SUCH AS WATCH, CELLULAR PHONE, WIRELESS SET, SCANNER ETC. INSIDE THE EXAMINATION HALL.**
11. For rough work, use only the blank space of the Question booklet.
12. The candidates will not be allowed to leave the examination hall during the examination.
13. Borrowing any material is not allowed.
14. The answer-sheet is designed for Computer evaluation. If the instructions are not followed properly, the candidate alone shall be responsible for the resultant loss.
15. Smoking/Refreshment shall not be allowed in the Entrance Test Centre/Hall.
16. Male candidates shall affix their Left Thumb Impression (LTI) while Female candidates shall affix Right Thumb Impression (RTI) at the prescribed place on the OMR answer sheet, Question Booklet and attendance sheet. The Centre superintendent shall also obtain and retain it for record.
17. The candidate must fill both the question booklet number and OMR answer sheet number on the attendance sheet.
18. No candidate shall be allowed to leave the centre before **12.00 noon**.

1. Anesthesia machine contains how many pressure systems?
 - A. Two (High and low)
 - B. Three (High, Intermediate and low)
 - C. Four (High, intermediate, low and very low)
 - D. One (High)

2. Pressure inside a full Oxygen cylinder is?
 - A. 2000 psig.
 - B. 1000 psig.
 - C. 750 psig.
 - D. 1800 psig.

3. A newer soda lime absorbs how much of CO₂ per 100 gm?
 - A. 10.2 l
 - B. 18 l
 - C. 26 l
 - D. 15.5 l

4. AMBU stands for?
 - A. Anesthesia machine breathing unit.
 - B. Artificial manual breathing unit.
 - C. Automated machine breathing unit.
 - D. Automated manual breathing unit

5. Route of drug administration most commonly used in OT?
 - A. Intraosseous route.
 - B. Intramuscular.
 - C. Subcutaneous route.
 - D. Intravenous route.

6. PIN index safety system is used in anesthesia machine.
 - A. To attach any gas cylinder in any yolk assembly
 - B. To hold cylinder securely.
 - C. To prevent incorrect cylinder attachment
 - D. To release cylinder when needed.

7. In head Injury patient's mannitol is given to?
 - A. To stop bleeding.
 - B. For protection of brain.
 - C. For protection of spinal cord.
 - D. To reduce intracranial pressure (ICP)

8. Lignocaine 2% is a?
 - A. Anticholinergic agent
 - B. Sedative.
 - C. Muscle relaxant.
 - D. Local anesthetic

9. Bupivacaine Heavy is used in?
 - A. Epidural anesthesia.
 - B. Spinal anesthesia.
 - C. Nerve block anesthesia.
 - D. General anesthesia.

10. The cylinder most commonly used on anesthesia machines?
 - A. Type A
 - B. Type B.
 - C. Type D.
 - D. Type E.

11. Size of endotracheal tube required for a female adult patient is?
 - A. 7.5 mm.
 - B. 8.5 mm.
 - C. 6.0 mm
 - D. 6.5 mm.

12. Cardiac failure is defined as
 - A. When heart is not beating very fast.
 - B. When heart beat is very slow.
 - C. When heart stopped working.
 - D. When heart is not able to maintain sufficient circulation in body

13. Autoclaving (steam sterilization) is not good for
 - A. Surgical instruments.
 - B. Linen.
 - C. Glass syringes.
 - D. Disposable PVC items.

14. Cidex is
 - A. 10% Povidine Iodine.
 - B. 2% Glutaraldehyde.
 - C. 4% Sodium Hypochlorite.
 - D. 2% Bleaching Powder

15. In autoclaving sterilization is done by?

- A. Saturated steam.
- B. Dry steam
- C. Dry heat
- D. Hot water

16. Tourniquet time for upper limb is:

- A. 100 minutes.
- B. 120 minutes
- C. 180 minutes
- D. 90 minutes

17. Disinfection of an endoscope after use is done by

- A. By dipping in Cidex for 30 minutes.
- B. By autoclaving.
- C. In ETO gas sterilizer.
- D. By radiation.

18. Deaver's retractor is used in

- A. In minor surgeries.
- B. Surgeries on head and neck.
- C. In nasal surgery.
- D. Abdominal surgeries.

19. Metal implants are sterilized by?

- A. By dipping in Cidex for 30 minutes
- B. By autoclaving.
- C. In EO gas sterilizer.
- D. By radiation.

20. Which of the following term describe the amount of blood ejected per heart beat?

- A. Stroke volume.
- B. After load.
- C. Cardiac output.
- D. Vital volume.

21. The Negative pressure in suction machine is

- A. 200-300 mm of Hg.
- B. 1000 mm of Hg.
- C. 400-700 mm of Hg.
- D. 50-100 mm of Hg.

22. In ventricular fibrillation first treatment is?

- A. Cardiac massage.
- B. I.V infusion.
- C. Drugs
- D. Defibrillation if defibrillator is available

23. What is the service pressure of a cylinder?

- A. Minimum pressure of the cylinder when full
- B. Maximum pressure of cylinder when transported
- C. Maximum pressure to which the cylinder may be filled at 70-degree F
- D. Pressure of cylinder when in service phase

24. Circuit best suited for controlled ventilation is

- A. Mapleson "A"
- B. Mapleson "D"
- C. Mapleson "E"
- D. Mapleson "F"

25. Temperature of operating room should be

- A. 24-38 degree centigrade.
- B. 22-24 degree centigrade
- C. 16-18 degree centigrade.
- D. 18-20 degree centigrade.

26. PIN index for Nitrous Oxide is?

- A. 3,5
- B. 2,5
- C. 3,6
- D. 1,5

27. Pipeline pressure of gases in OT is

- A. 65-70 psi
- B. 50-55 psi
- C. 40-45 psi
- D. 70-75 psi

28. Minimum effective concentration of Cidex solution is

- A. 2%.
- B. 1%.
- C. 0.5%.
- D. 1.5%

29. Position used for nephrectomy is?

- A. Lithotomy.
- B. Supine.
- C. Lateral.
- D. Trendelenburg.

30. For Laparoscopic cholecystectomy patient is positioned on OT table in

- A. Reverse Trendelenburg
- B. Supine position.
- C. Prone position.
- D. Trendelenburg position

31. Which is the most common complication of spinal anesthesia.

- A. High spinal
- B. Hypotension
- C. Nausea and vomiting
- D. Shivering

32. An endotracheal tube has F-29, Z-79 or ASTM written on it. What does it mean?

- A. ET tube is made of PVC.
- B. ET tube is meant for single use only
- C. ET tube has passed the tissue reactivity test
- D. ET tube is made of red rubber.

33. Minimum alveolar concentration (MAC) of Desflurane is

- A. 6%
- B. 1.15%
- C. 1.7%
- D. 4.5%

34. Which of the following is not an adverse effect of Thiopentone?

- A. Hypotension
- B. Raised intracranial pressure (ICP)
- C. Hyperthermia
- D. Bronchospasm

35. Muscle relaxant of choice in renal failure patients is

- A. Pancuronium
- B. Atracurium
- C. Vecuronium
- D. Scoline

36. Ringer Lactate (RL) is contraindicated in patients with

- A. Blunt Trauma abdomen
- B. Renal failure
- C. Coagulopathy
- D. Head injury

37. Platelets before transfusion are stored at

- A. 22 degree centigrade
- B. 37 degree centigrade
- C. 4 degree centigrade
- D. -20 degree centigrade

38. Scoline is not given to

- A. Burn patients
- B. Obese patients
- C. Elderly patients
- D. Patients with difficult airway

39. Most commonly used temperature and time combination in autoclaving is

- A. 115 degree centigrade for 25 minutes
- B. 145 degree centigrade for 45 minutes
- C. 121 degree centigrade for 30 minutes
- D. 138 degree centigrade for 30 minutes

40. Color of carbon dioxide cylinder is

- A. Black
- B. Grey
- C. Pink
- D. Green

41. In anesthesia machine pipeline pressure gauges are part of?

- A. Intermediate pressure system
- B. High pressure system
- C. Low pressure system
- D. Very low-pressure system

42. Concerning baroreceptors, all are true except

- A. they are located in the carotid sinus and aortic arch
- B. they are stretch receptors
- C. the neuronal discharge decreases as the mean arterial pressure increases
- D. baroreceptors in the carotid sinus are more sensitive than aortic receptors to changes in blood pressure

43. Lung compliance, all are true except

- A. describes the relationship between pressure and flow
- B. is reduced in the supine position
- C. is normally 1.5–2.0 l/kPa
- D. is related to body size

44. During normal inspiration there is an increase in one of the following

- A. intrapleural pressure
- B. alveolar pressure
- C. intra-abdominal pressure
- D. the partial pressure of oxygen in the trachea

45. Alveolar dead space is increased in all except

- A. pulmonary embolism
- B. hemorrhage
- C. decreased tidal volumes
- D. changing from the supine to the erect posture

46. Cerebrospinal fluid

- A. is formed by the choroid plexus
- B. has a specific gravity of 1030 at body temperature
- C. total volume in a 70-kg adult is 500 ml
- D. total protein content is more than that of serum proteins

47. Lidocaine (lignocaine)

- A. inhibits plasma cholinesterase
- B. causes sedation
- C. causes atrioventricular block
- D. has a high hepatic extraction ratio

48. Which of the following oxygen delivery device provides

maximum FiO_2

- A. Simple oxygen mask
- B. Venturi mask
- C. Non rebreathing mask
- D. Nasal cannula

49. Critical pressure

- A. is the pressure at which a gas liquefies at its critical temperature
- B. is 5100 kPa
- C. is the same for all gases
- D. is the pressure of the saturated vapour at the critical temperature

50. Insulin

- A. increases fat storage
- B. stimulates the release of glucagon
- C. decreases potassium ion movement out of the cells
- D. reduces protein synthesis