

# BABA FARID UNIVERSITY OF HEALTH SCIENCES, FARIDKOT

**OPERATION THEATRE ASSISTANT**  
(Under Deptt. of Health & Family Welfare, Govt. of Punjab)

QUESTION BOOKLET:

OMR ANSWER SHEET NO:

ROLL NO:

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OF THE CANDIDATE

FULL SIGNATURE OF THE CANDIDATE

FULL SIGNATURE OF INVIGILATOR

FULL SIGNATURE OBSERVER

**Time Allowed: 2.00 Hours (2.00 PM to 4.00 PM)**

**Maximum Marks: 90**

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 90 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 marks 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 **4.00 PM.**

1 In a thyroidectomy, a loop retractor retracts the :

- a) Thyroid veins
- b) Cervical fascia
- c) Sternocleidomastoid muscle
- d) Platysma muscle

2 Who is considered as the father of distal programmable computers?

- a) Herman H Goldstein
- b) Charles Babbage
- c) Marcian E Hoff
- d) Joseph Jacquard

3 What will be the pulse pressure for a blood pressure reading of 130/80 mmhg?

- a) 80 mmhg
- b) 50 mmhg
- c) 210 mmhg
- d) 130 mmhg

4 Which method should be used to open the airway in case of suspected C spine injury?

- a) Jaw thrust
- b) Back thrust
- c) Abdominal thrust
- d) Head tilt and chin lift

5 The force maintaining primary structure of a protein is called

- a) Hydrogen bonds
- b) Electrostatic bonds
- c) Hydrophobic bonds
- d) Peptide bonds

6 The primary cause of depletion of ozone is the presence of in the atmosphere:

- a) Chlorofluorocarbons
- b) Hydrocarbons
- c) Carbon monoxide
- d) Nitrogen oxide

7 When is National Earth Day celebrated ?

- a) 21<sup>st</sup> June
- b) 17<sup>th</sup> may
- c) 15<sup>th</sup> June
- d) 22<sup>nd</sup> april

8 Which of the following is known as laughing gas ?

- a) B<sub>2</sub>O
- b) CO<sub>2</sub>
- c) NO<sub>2</sub>
- d) N<sub>2</sub>O

9 What is the color of nitous oxide gas cylinder ?

- a) white
- b) black
- c) grey
- d) blue

10 Aldosterone regulates ?

- a) sodium absorption
- b) urine concentration
- c) serum calcium
- d) blood glucose

11 An intravenous solution of 0.45 percent sodium chloride is ?

- a) Hypotonic
- b) Isomeric
- c) Hypertonic
- d) isotonic

12 A habitat is home to many organisms and destroying a habitat affects ?

- a) Weather
- b) Resources
- c) Climate
- d) Biodiversity

13 What mixture of gases is used in general anesthesia ?

- a) O<sub>2</sub> and CO<sub>2</sub>
- b) CO<sub>2</sub>, O<sub>2</sub> and N<sub>2</sub>O
- c) O<sub>2</sub> and N<sub>2</sub>O
- d) CO<sub>2</sub> and N<sub>2</sub>O

14 What is the name of the temporary data storage area between a peripheral device and the CPU. Which compensates for the difference between their speeds?

- a) Temporary storage
- b) Main storage
- c) Buffer
- d) Backing storage

15 Which of the following cellular organelles serve as the site of protein synthesis ?

- a) Golgi bodies
- b) Mitochondria
- c) Endoplasmic reticulum
- d) Peroxisome

16 Which of the following amino acids have an indole ring in their structure ?

- a) Arginine
- b) Histidine
- c) Tryptophan
- d) Proline

17 Which of the following is an inhaled anesthetic agent ?

- a) Fentanyl
- b) Cycloprane
- c) Halothane
- d) Ethylene

18 Whipple procedure is performed in case of ?

- a) Obesity
- b) Cancer of pancreas
- c) Liver disorders
- d) Breast cancers

19 With respect to anesthesia , full form of PCA is ?

- a) Personal comfort analgesia
- b) Patient comfort analgesia
- c) Patient controlled analgesia
- d) Personal control analgesia

20 What is nephrectomy ?

- a) Surgical removal of necrotic tissues
- b) Surgical removal of kidney
- c) Surgical repair of a nerve
- d) Surgical removal of a nerve

21 The perianal varicose veins are known as ?

- a) Polyps
- b) Hemorrhoids
- c) Anorectal tumors
- d) Fistulas

22 The quadriceps exercises are the example of :

- a) Isotonic exercises
- b) Isometric exercises
- c) Isokinetic exercises
- d) ROM exercises

23 Which of the following procedures remove the entire breast and axillary contents but preserves the pectoral muscles ?

- a) Lumpectomy
- b) Radical mastectomy
- c) Modified radical mastectomy
- d) Segmental mastectomy

24 What is the correct order of the intestinal layer , from inside to outside ?

- a) Serosa, musculature, mucosa
- b) Mucosa, submucosa , serosa
- c) Serosa, mucosa , musculature
- d) Mucosa , serosa , musculature

25 Preoperative or preprocedural prevention of infection is called ?

- a) Protective precautions
- b) Prophylaxis
- c) Primordial prevention
- d) Primary prevention

26 Scurvy happens due to deficiency of ?

- a) Vitamin C
- b) Iodine
- c) Zinc
- d) Vitamin D

27 What is a sign of thrombocytopenia ?

- a) Elevated platelets
- b) Aplastic anemia
- c) Appearance of petechiae
- d) Appearance of thrombophlebitis

28 The removal of entire tumor/mass is known as ?

- a) Excisional biopsy
- b) Incisional biopsy
- c) Staging biopsy
- d) Needle biopsy

29 Reduction of oxygen in blood is called ?

- a) Anoxemia
- b) Apnoea
- c) Arrythmia
- d) Anoxia

30 Which of the following enzymes contains copper ?

- a) Cytochrome P450
- b) Coenzyme Q
- c) Cytochrome oxidase
- d) Cytochrome B5

31 Which vessels carry carbon dioxide rich blood from , all parts of the body back to the heart ?

- a) Capillaries
- b) Artery
- c) Veins
- d) Ventricles

32 Beri beri occurs due to deficiency of ?

- a) Vitamin A
- b) Vitamin C
- c) Vitamin D
- d) Vitamin B1

33 Which of the following is NOT the property of oxygen ?

- a) It is colorless
- b) It has pungent smell
- c) It is highly explosive
- d) It is highly volatile

34 Cholecalciferol is synthesized in ?

- a) Liver
- b) Kidney
- c) Intestinal mucosa
- d) Skin

35 What is capnometry ?

- a) Measurement of end tidal NO<sub>2</sub>
- b) Measurement of end tidal CO<sub>2</sub>
- c) Measurement of end tidal N<sub>2</sub>O
- d) Measurement of end tidal O<sub>2</sub>

36 Which of the following is not considered as portal of entry for bacteria?

- a) Intact skin
- b) Eyes
- c) Mouth
- d) Nose

37 Lactam-lactim interconversion is an example of :

- a) Anomerisation
- b) Optical isomerism
- c) Tautomerism
- d) Epimerisation

38 What type of immunity occurs when a person is given an injection of immune serum ?

- a) Adaptive immunity
- b) Active artificial immunity
- c) Active natural immunity
- d) Passive artificial immunity

39 What is the color coding of the bags used in hospitals to dispose of human placenta?

- a) Blue
- b) red
- c) Yellow
- d) black

40 During data processing, where does the actual execution of instructions take place ?

- a) Storage unit
- b) Arithmetic logic unit
- c) Register unit
- d) Control unit

41 What is the life span of RBC?

- a) About 90 days
- b) About 120 days
- c) About 10 days
- d) About 20 days

42 Magill circuit is :

- a) Type A
- b) Type B
- c) Type D
- d) Type E

43 Pin index of nitrous oxide cylinder is :

- a) 1,5
- b) 2,5
- c) 3,5
- d) 2,4

44 Spirometry cannot measure which of the following lung volumes :

- a) Tidal volume
- b) Functional residual capacity
- c) Inspiratory reserve volume
- d) Minute volume

45 Carbon dioxide is mainly transported in blood mainly as :

- a) Hemoglobin
- b) Bicarbonate
- c) Plasma
- d) Carbamino compounds

46 Normal breath holding time is :

- a) 15-25 sec
- b) More than 25sec
- c) Less than 15 seconds
- d) Less than 25seconds

47 Inhalational agent that does not inhibit ciliary activity :

- a) Sevoflurane.
- b) Ether
- c) desflurane
- d) Halothane

48 Respiration is regulated by :

- a) Pons
- b) Medulla
- c) Pituitary
- d) Both a & b

49 Larynx lies at the level of :

- a) C1-C6
- b) C3-C6
- c) C4-C5
- d) none of above

50 Which of the following is main muscle of respiration?

- a) Internal intercostal muscle
- b) External intercostal muscle
- c) Diaphragm
- d) Abdomen.

51 The three paired cartilages of larynx includes all of the following :

- a) Cuneiform
- b) Thyroid
- c) Corniculate
- d) Arytenoids

52 Vertebral column consists of \_\_\_\_\_ number of vertebrae:

- a) 33
- b) 34
- c) 36
- d) 35

53 At birth umbilical cord has :

- a) 2 arteries & 1 veins
- b) 2 veins & 2 arteries
- c) 2 arteries
- d) 1 vein

54 Cobbs angle is related to :

- a) Posterior fossa tumor
- b) IJV cannulation
- c) Kyphoscoliosis
- d) Glossopharyngeal nerve block

55 Pressure of central pipeline :

- a) 55-60 psi
- b) 70-80 psi
- c) 60-65 psi
- d) None of the above

56 Sugammadex provides adequate reversal of :

- a) Rocuronium
- b) Vecuronium
- c) Both
- d) Atracurium

57 Which of the following is not a catecholamine:

- a) Dopamine
- b) Dobutamine
- c) Isoprenaline
- d) Phenylephrine

58 Mayo's operation is done for :

- a) Femoral hernia
- b) Umbilical hernia
- c) Diaphragmatic hernia
- d) Inguinal hernia

59 At what angle intramuscular injection should be given:

- a) 45°
- b) 30°
- c) 90°
- d) 15°

60 Which of the following is an example of definitive airway except :

- a) Orotracheal tube
- b) Endotracheal tube
- c) Laryngeal mask airway
- d) cricothyroidotomy

61 Anesthetic agent with vasoconstrictor contraindicated in :

- a) Finger block
- b) Spinal anesthesia
- c) Epidural anesthesia
- d) Regional block

62 MAC stands for :

- a) Minimal alveolar concentration
- b) Maximal alveolar concentration
- c) Minimal analgesic concentration
- d) Minimal anesthetic concentration

63 What is the gauge of green intravenous cannula :

- a) 20G
- b) 18G
- c) 16G
- d) 22G

64 Anesthesia machine consists of how many pressure systems:

- a) 2 (high & low)
- b) 3 (high, intermediate, low)
- c) 4 (high, intermediate, low, very low)
- d) 1 (high)

65 AMBU stands for :

- a) Anaesthesia machine and breathing unit
- b) Artificial manual breathing unit
- c) Automated machine & breathing unit
- d) Automated manual breathing unit

66 Cardiac failure is defined as:

- a) When heart is not able to maintain sufficient circulation in body
- b) When heart is not beating very fast
- c) When heart is very slow
- d) When heart stopped working

67 Cidex is :

- a) 10% povidine iodine
- b) 2% glutaraldehyde
- c) 4% sodium hypochlorite
- d) 2% bleaching powder

68 Protamine sulfate is antidote of :

- a) Insulin
- b) Heparin
- c) Warfarin
- d) Aspirin

69 Most common complication of spinal anesthesia

- a) High spinal
- b) Nausea and vomiting
- c) Hypotension
- d) Shivering

70 Temperature of operating room should be :

- a) 24-38°C
- b) 22-24°C
- c) 16-18°C
- d) 18-20°C

71 Largest virus in size is :

- a) Herpes simplex virus
- b) Adenovirus
- c) Poxvirus
- d) Hepatitis B virus

72 Endoscope is sterilized by :

- a) Autoclaving
- b) Hot air oven
- c) Formaldehyde
- d) Glutaldehyde

73 Anesthesia day is celebrated on :

- a) October 16
- b) August 26
- c) January 16
- d) December 14

74 Vitamin K is required for synthesis of all except :

- a) X
- b) IX
- c) VIII
- d) VII

75 Largest paranasal sinus is :

- a) Maxillary
- b) Sphenoidal
- c) Ethmoidal
- d) Frontal

76 Which of the following veins return blood directly to right atrium :

- a) Inferior vena cava & superior vena cava
- b) Pulmonary veins
- c) Hepatic veins
- d) Saphenous vein

77 Murphy's eye is a part of :

- a) Endotracheal tube
- b) Ryles tube
- c) Laryngeal mask airway
- d) Endoscope

78 Process of removing PPE kit:

- a) Donning
- b) Doffing
- c) PPE prep
- d) None

79 Patient has serum calcium levels 8.9mg/dl and serum potassium levels

2.5milliequivalents/litre have:

- a) Hypokalemia
- b) Hyperkalemia
- c) Hypocalcemia
- d) Hypercalcemia

80 Foleys catheter used nowadays are mostly made of :

- a) PVC
- b) Silicone
- c) Teflon
- d) Latex

81 All are anticonvulsants except :

- a) Phenytoin
- b) Carbamazepine
- c) Valproate
- d) Phenergan

82 Depolarizing muscle relaxant work as \_\_\_\_\_ of acetylcholine:

- a) Agonist
- b) Antagonist
- c) Does not effect
- d) Both a & b

83 Medications used post transplant to reduce the chances of organ rejection:

- a) Antibiotics
- b) Corticosteroids
- c) Immunosuppressive agents
- d) Chemotherapy agents

84 Universal recipient of blood is :

- a) O+
- b) O-
- c) AB+
- d) AB-

85 Which bone in forearm is on side of thumb :

- a) Tibia
- b) Fibula
- c) Ulna
- d) Radius

86 Surgical removal of fallopian tubes is :

- a) Oophorectomy
- b) Salpingectomy
- c) Hysterectomy
- d) Nephrectomy

87 Apnoea is :

- a) Shallow breathing
- b) Normal breathing
- c) Hyperventilation
- d) No breathing

88 All are colloids except :

- a) Haemecel
- b) Albumin
- c) Hartmann solution
- d) Gelofuscin

89 What is pharmacodynamics ?

- a) What drug does to body
- b) What body does to drug
- c) Half life
- d) Bioavailability

90 Stages of anesthesia are given by:

- a) Oliver Wendell Holmes
- b) WTG Morton
- c) Guedel
- d) Joseph Lister

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