

BABA FARID UNIVERSITY OF HEALTH SCIENCES

PHARMACIST

QUESTION BOOKLET NO:

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OMR ANSWER SHEET NO:

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ROLL NO:

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FULL SIGNATURE OF INVIGILATOR

THUMB IMPRESSION OF THE CANDIDATE

FULL SIGNATURE OF THE CANDIDATE

FULL SIGNATURE OBSERVER

Time Allowed: **2.00 Hours (11.00 AM to 1.00 PM)**

Maximum Marks: **100**

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 100 objective type questions in all of 1 Marks 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 Question Booklet and OMR Answer-sheet to the officer on duty on the expiry of the time before you leave the examination hall.
8. In no case the Question Booklet and OMR Answer-sheet or its part or any material copied/noted from this booklet is to be taken out of the examination hall. A candidate found doing so would be expelled from examination.
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 PAGER, 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 **1.00 PM**

- Q1. Which of the following cells contain hemoglobin?
- RBC
 - WBC
 - Both a and b
 - None of the above
- Q2. Cyclone separator is used for
- Drying
 - Distillation
 - Evaporation
 - Size Separation
- Q3. Hardinge mill is a variant of
- Rotary cutter mill
 - Ball mill
 - Hammer mill
 - Fluid energy mill
- Q4. In a hospital set up PTC stand for:
- Pharmacy Teacher Committee
 - Pharmaceutical Technical Committee
 - Pharmacy Therapeutic Committee
 - None of the above
- Q5. Vitamin C is also known as _____.
- Oxalic acid
 - Maleic Acid
 - Ascorbic acid
 - Tannic acid
- Q6. Dip tube is an important part of
- Syrup packaging
 - Injection packaging
 - Aerosol packaging
 - None of the above
- Q7. A preparation containing live or attenuated viruses is called
- Vaccine
 - Antiserum
 - Toxin
 - Toxoid
- Q8. Gutzeit apparatus is used in the limit test of
- Iron
 - Sulphate
 - Arsenic
 - Chloride
- Q9. Which of the following is not a type of joint in human body?
- Ball and Socket Joint
 - Hinge Joint
 - Rotational Joint
 - Pivot Joint
- Q10. Atropine is frequently used prior to administration of inhalant anesthetics to reduce
- Muscle tone
 - Secretions
 - Nausea and vomiting
 - Appetite
- Q11. Which of the following may cause female infertility?
- Gonorrhoea
 - Chlamydia infection
 - Prolonged use of contraceptives
 - All of the above
- Q12. The constituent of cholesterol termed as bad cholesterol is:
- HDL
 - LDL
 - VLDL
 - Triglycerides
- Q13. Which of the following is NOT a tablet defect?
- Chipping
 - Sticking
 - Phase Inversion
 - Double Impression
- Q14. Which of the following tests is used for detection of glycosides?
- Benedict's test
 - Borntrager's reagent test
 - Hager's reagent test
 - Glucose tolerance test
- Q15. Juxta-glomerular apparatus is found in
- Heart
 - Liver
 - Brain
 - Kidney
- Q16. The primary function of simethicone in antacid preparations is
- suspending agent
 - adsorbent
 - buffer
 - antiflatulent
- Q17. Posology is the study of _____.
- Poisonous drugs
 - Toxic effects of drugs
 - Dose of drugs
 - None of the above
- Q18. Which type of incompatibility best describes the formation of a eutectic mixture when menthol and camphor are triturated together?
- Therapeutic Incompatibility
 - Chemical Incompatibility
 - Physical Incompatibility
 - All of the above
- Q19. Which of the following is NOT a suppository base?
- Theobroma oil
 - Mineral oil
 - Witepsol
 - Gelatin
- Q20. Injection, syringe and needle are covered under which Schedule of D&C Act
- Schedule A
 - Schedule B
 - Schedule C
 - Schedule D

Q21. Penalty for the cultivation of any Cannabis plant to produce, sell, purchase, and transport in contravention of Narcotic Drugs and Psychotropic substances act and rules on first conviction is

- a. Fine up to 10 lakhs
- b. Rigorous imprisonment up to 6 months
- c. Rigorous imprisonment up to 10 years or fine up to 1 lakh
- d. Rigorous imprisonment up to 10 years or fine up to 10 lakhs

Q22. Erythromycin is an antibiotic. It belongs to the class of

- a. Beta lactam
- b. Aminoglycosides
- c. Macrolides
- d. Peptide

Q23. Wagner's test is used to detect the presence of

- a. Alkaloids
- b. Steroids
- c. Glycosides
- d. Terpenes

Q24. Decreased parathormone secretion result in

- a. Tetany
- b. ADH Deficiency
- c. Excess Carbohydrate Intake
- d. Acromegaly

Q25. Muscles are connected to the bones by

- a. Ligaments
- b. Cartilage
- c. Tendons
- d. Collagen

Q26. What quantities of 95 % v/v and 45 % v/v alcohols are to be mixed to make 800 mL of 65 % v/v alcohol?

- a. 480 mL of 95 % and 320 mL of 45 % alcohol
- b. 320 mL of 95 % and 480 mL of 45 % alcohol
- c. 440 mL of 95 % and 360 mL of 45 % alcohol
- d. 360 mL of 95 % and 440 mL of 45 % alcohol

Q27. Ergot is an alkaloid produced by

- a. *Ricinus communis*
- b. *Commiphora molmol*
- c. *Agaricus compestris*
- d. *Claviceps pupurea*

Q28. Which one of following drug used to treat cyanide poisoning?

- a. Quinidine
- b. Amyl nitrate
- c. Nicorandil
- d. Nifedipine

Q29. Vitamin B6 deficiency may occur during tuberculosis therapy with

- a. Isoniazid
- b. Rifampicin
- c. Sulpha drugs
- d. Ethambutol

Q30. The composition of normal saline is.

- a. 9.0 %w/v Sodium Chloride
- b. 0.9 % w/v Sodium Chloride
- c. 1.9 %w/v Sodium Chloride
- d. 5.0 %w/v Dextrose

Q31. Bloom strength is used to check the quality of

- a. Lactose
- b. Ampoules
- c. Avicel
- d. Gelatin

Q32. Which one of the following is NOT an ex-officio member of Pharmacy Council of India?

- a. The Director General of Health Services
- b. The Director of Central Drugs Laboratory
- c. The Drug Controller General of India
- d. The Director of Pharmacopoeia Laboratory

Q33. Glucocorticoids have the following effects EXCEPT

- a. Stimulation of immune responses
- b. Resistance to stress
- c. Protein breakdown and glucose formation
- d. Lipolysis

Q34. A nonsteroidal antiinflammatory agent derived from anthranilic acid is

- a. Mephenamic acid
- b. Ibuprofen
- c. Indomethacin
- d. Diclofenac Sodium

Q35. The lungs are important organ for excretion of

- a. Ammonia
- b. Water
- c. Carbon dioxide
- d. Urea

Q36. The formulations used for dental hygiene are known as

- a. Insufflations
- b. Snuffs
- c. Dentifrices
- d. Cachets

Q37. Which of the following statements is true for flocculated suspensions?

- a. Hard Cake is formed
- b. Rate of sedimentation is high
- c. They are difficult to re-disperse
- d. Suspension is pleasing in appearance

Q38. Synergistic effect refers to

- a. The effect of one drug is increased upon concomitant administration of other drug
- b. The effect of one drug is decreased upon concomitant administration of other drug
- c. One drug does not produce its effect until the other one has been excreted
- d. One drug nullifies the effect of other drug

Q39. Cytochrome P450 enzymes are mainly responsible for

- a. Metabolism of drugs
- b. Digestion of food
- c. Heart attack
- d. None of the above

Q40. Which of the following is not a non-steroidal anti-inflammatory drug?

- a. Aceclofenac
- b. Ibuprofen
- c. Ethambutol
- d. Acetyl salicylic acid

Q41. First pass metabolism refers to

- a. Metabolism of a drug during its first passage from mouth to esophagus
- b. Metabolism of a drug during its passage from the site of absorption into the systemic circulation
- c. Metabolism of a drug during when it first comes in contact with gastric juice
- d. Metabolism of a drug on the tongue

Q42. Which of the following is not an IV anaesthetic?

- a. Thiopentone sodium
- b. Ketamine
- c. Halothane
- d. Fenatanyl

Q43. Beta imidazolyl ethylamine is popularly known as

- a. Cycloserine
- b. Threonine
- c. Histamine
- d. Reserpine

Q44. Which of the following antiparkinsonian drug is known to act by inhibition of enzyme peripheral decarboxylase?

- a. Levodopa
- b. Piribedil
- c. Carbidopa
- d. Selegiline

Q45. Milk of magnesia is a/an

- a. Baby food supplement
- b. Laxative
- c. Enzyme preparation
- d. Anti-tubercular drug

Q46. Diabetic patients who are on biguanide drugs are required to abstain from alcohol because

- a. Alcohol has hypoglycemic effect
- b. Biguanides interact with alcohol causing lactic acidosis
- c. Both (a) and (b)
- d. None of the above

Q47. Chronic poisoning of lead is also known as

- a. Leadism
- b. Plumbism
- c. Zollinger Ellison Syndrome
- d. None of the above

Q48. Which of the following is not a method of inventory control in a hospital set up?

- a. ABC method
- b. FSN method
- c. VED method
- d. HCP method

Q49. A glucometer is used to detect

- a. Level of plasma protein
- b. Blood glucose level
- c. Type of blood group
- d. Level of serum calcium

Q50. As per Medical Termination of Pregnancy Act passed in 1971, on advice of one doctor, the abortion of terminally ill foetuses was allowed up to

- a. 16 weeks pregnancy
- b. 20 weeks pregnancy
- c. 22 weeks pregnancy
- d. 24 weeks pregnancy

Q51. Radiopharmaceutical used in study of thyroid uptake

- a. K-42
- b. Cr-51
- c. I-131
- d. S-35

Q52. In dry heat sterilization object is heated at

- a. 160°C, 3 hours
- b. 180°C, 2 hours
- c. 180°C, 1 hour
- d. 160°C, 2 hours

Q53. World AIDS day is celebrated on

- a. May 1
- b. December 1
- c. July 1
- d. April 1

Q54. The statement "To be sold by retail on the prescription of a registered medical practitioner" is as per which schedule of Drugs and Cosmetics Act?

- a. Schedule X
- b. Schedule H
- c. Schedule Y
- d. Schedule M

Q55. Which of the following method is used to sterilize metal syringes?

- a. Moist heat
- b. Gamma radiation
- c. Ethylene oxide
- d. Dry heat

Q56. Catechu is used in medicine as

- a) Antidiabetic
- b) Anti cancer
- c) Antipyretic
- d) Astringent

Q57. Identify the group of enzymes that utilize NADP or NAD as coenzymes and catalyze biochemical reactions by the transfer of electrons from one molecule to another.

- a. Isomerases
- b. Oxidoreductases
- c. Transferases
- d. Ligases

Q58. Shake well before use label must be put on one of the following

- a. Ophthalmic gels
- b. Occuserts
- c. Ophthalmic suspension
- d. Ophthalmic solution

Q59. Chloroquine is a/an

- a. 4-amino quinoline
- b. Acridine
- c. Biguanide
- d. Pyrimidine

- Q60. Hospital formulary generally consists of
- List of drugs to be prescribed
 - List of hospital equipments
 - List of doctors
 - List of hospital staff
- Q61. Human serum albumin has a molecular weight of
- 65000 Daltons
 - 59000 Daltons
 - 44000 Daltons
 - 34000 Daltons
- Q62. Charaka, a physician belonged to which system of medicine?
- Unani
 - Siddha
 - Homeopathy
 - Ayurveda
- Q63. Which of the following is not an amino acid?
- Alanine
 - Glycerine
 - Leucine
 - Serine
- Q64. Creaming is a _____ process.
- Reversible
 - Irreversible
 - Difficult
 - Both b and c
- Q65. Which of the following is an auto-immune disease?
- Syphilis
 - Plague
 - Diabetes
 - Typhoid
- Q66. In Aloe, the mucilage containing parenchymatous cells are present in
- Epidermis
 - Vascular bundles
 - Central parenchymatous region
 - Pericyclic cells
- Q67. Bile salts present in bile juice act as
- Surfactants
 - Viscosity builders
 - Expectorants
 - None of the above
- Q68. Tropane alkaloids can be identified by
- Thalloquin test
 - Vitali test
 - Biuret Test
 - Millon's Test
- Q69. Fruits which are derived from Umbelliferae are all of the type
- Pericarp
 - Cremocarp
 - Epicarp
 - Mesocarp
- Q70. Biological name of Mulethi
- Glycyrrhiza echinata*
 - Glycyrrhiza lepidota*
 - Glycyrrhiza glabra*
 - Glycyrrhiza lensis*
- Q71. Saturated solution of picric acid is
- Mayer's reagent
 - Wagner's reagent
 - Hagers reagent
 - Dragendorff's reagent
- Q72. Kurchi bark belongs to family
- Rubiaceae
 - Apocynaceae
 - Loganiaceae
 - Leguminosae
- Q73. Which of the following statements is FALSE about blood pressure?
- It increases with the increase in distance from the heart.
 - It is the pressure of blood exerted on the walls of the arteries by contraction of left ventricle.
 - various factors like stress, age, sex, exercise alter the levels of BP
 - Normal BP is 120/80 mmHg.
- Q74. Gluconeogenesis occurs in the liver due to the action of
- Aldosterone
 - Insulin
 - Secretion
 - Cortisol
- Q75. Secretion of testosterone by Leydig's cells is stimulated by
- FSH
 - TSH
 - ICSH
 - ACTH
- Q76. Which of the following element is used for contraction of muscles?
- Na^{2+}
 - Mg^{2+}
 - Ca^{2+}
 - Mn^{2+}
- Q77. Which of the following is not a valve in the human heart?
- Tricuspid Valve
 - Mitral Valve
 - Anaerobic Valve
 - Pulmonary Valve
- Q78. Which of the following is not a disease related to carbohydrate metabolism?
- Diabetic ketoacidosis
 - Hyperosmolar coma
 - Hematuria
 - Hypoglycemia
- Q79. Pyrogen testing is done for
- Oral Solutions
 - Oral Tablets
 - Injectables
 - Dispersible Tablets
- Q80. Hospital acquired infections are called
- Primary infections
 - Noscomial infections
 - Secondary infections
 - Latent infections

- Q81. The term SARS stands for**
- Sub artery respiratory syndrome
 - Severe acute respiratory syndrome
 - Special acute royal syndrome
 - Socially active respiratory syndrome
- Q82. In solid-solid mixing, large scale continuous type of mixer is**
- Sigma blender
 - Ribbon blender
 - Zigzag blender
 - Twin shell blender
- Q83. The general purpose sodalime glass is not a suitable material for fabricating the container for**
- Parenterals
 - Oral solutions
 - Liquids for external use
 - Dry powders
- Q84. Lozenges are the type of dosage form**
- Solid dosage form
 - Semi-solid dosage form
 - Injectable dosage form
 - None of the above
- Q85. Drying by sublimation relates to**
- Tray dryer
 - Fluidized bed dryer
 - Vacuum dryer
 - Freeze dryer
- Q86. The meaning of Latin term Rx is**
- Take thou
 - When necessary
 - At bed time
 - Every hour
- Q87. Which of the following is true for evaporation under reduced pressure?**
- It reduces the boiling point of the solution.
 - It increases the boiling point of the solution
 - It does not have any effect on the boiling point of the solution
 - None of the above
- Q88. Among the following, which is the largest size of capsule?**
- Size 0
 - Size 1
 - Size 2
 - Size 00
- Q89. All factors are necessary in blood coagulation except**
- Prothrombin
 - Fibrinogen
 - Globulins
 - Ionic calcium
- Q90. OPD refers to**
- Other Patient Department
 - Out Patient Department
 - Other Pharmacy Department
 - Out Pharmacy Department
- Q91. In the process of extraction, ethanol is used as a solvent for**
- Alkaloids
 - Gums
 - Waxes
 - Sucrose
- Q92. The liquid or semi solid preparation usually applied to the skin with friction and rubbing**
- Lotions
 - Liniments
 - Collodions
 - Both A & B
- Q93. Who is the Chairman of Drug Technical Advisory Board?**
- President, PCI
 - Union Health Minister
 - Director General of Health Services
 - Drug Controller of India
- Q94. The base used to stiffen the ointment is**
- Hard paraffin
 - Wool fat
 - Macrogol
 - Wool Alcohol
- Q95. Which of the following drug is stimulant laxative?**
- Bran
 - Senna
 - Starch
 - Methyl Cellulose
- Q96. Which digestive enzyme is produced in the salivary glands and the pancreas?**
- Ptyalin
 - Amylase
 - Pepsin
 - Lipase
- Q97. Right side of the heart contains**
- Impure blood
 - Pure blood
 - mixed blood
 - Oxygenated blood
- Q98. d-tubocurarin produces skeletal muscle relaxation by inhibiting:**
- Nicotinic receptors in neuromuscular junction
 - Ganglionic nicotinic receptors
 - Alpha adrenergic receptors
 - Muscarinic receptors
- Q99. Type I diabetes was previously also known as**
- Diabetes insipidus
 - Non insulin dependent diabetes
 - Juvenile onset diabetes
 - Adult onset diabetes
- Q100. Leprosy is caused by**
- Mycobacterium leprae*
 - Bacillus pertussis*
 - Vibrio cholera*
 - E. coli*