

FINAL ANSWER KEY

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Exam:BPHARM LE 2025

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1. The primary function of a prescription is to

- A) Dilute drugs
- B) Authorize medication use
- C) Prepare containers
- D) Sift powders

Correct Answer : Option B

2. Which system of weight is NOT commonly used in pharmacy?

- A) Metric
- B) Apothecary
- C) Troy
- D) Imperial

Correct Answer : Option C

3. The usual solvent for oral liquid preparations is

- A) Olive oil
- B) Water
- C) Alcohol
- D) Ether

Correct Answer : Option B

4. The term "Homogenization" is associated with

- A) Even mixing
- B) Sterilization
- C) Size increase
- D) All of the above

Correct Answer : Option A

5. The Indian Pharmacopoeia serves as

- A) Medical dictionary
- B) Book of official standards
- C) Drug pricing guide

D) Marketing tool

Correct Answer : Option B

6. The alligation method is used for

- A) Calculating average
- B) Mixing solutions of different strengths
- C) Temperature measurement
- D) Powder sifting

Correct Answer : Option B

7. The main excipient for hard gelatine capsules is

- A) Water
- B) Starch
- C) Gelatin
- D) Cellulose

Correct Answer : Option C

8. Fluidized bed dryer is mainly used for

- A) Tablets
- B) Powders
- C) Capsules
- D) Creams

Correct Answer : Option B

9. Which property determines isotonicity in large-volume parenterals?

- A) Viscosity
- B) pH
- C) Osmotic pressure
- D) Color

Correct Answer : Option C

10. What is metrology?

- A) Study of weather
- B) Science of weights and measures
- C) Microbial study
- D) Drug interaction study

Correct Answer : Option B

11. Sodium chloride is used as

- A) Antiseptic
- B) Isotonic agent
- C) Antacid
- D) Diuretic

Correct Answer : Option B

12. The main impurity in pharmaceutical water is

- A) Chloride
- B) Nitrate
- C) Sulfate
- D) Ammonia

Correct Answer : Option A

13. The buffer system in blood is mainly due to

- A) Bicarbonate
- B) Chloride
- C) Sulfate
- D) Iron

Correct Answer : Option A

14. Which is NOT a pharmaceutical acid?

- A) Hydrochloric acid
- B) Sulfuric acid
- C) Boric acid
- D) Nitric acid

Correct Answer : Option D

15. Which reagent is used in iron salt assay?

- A) Potassium permanganate
- B) Sulfuric acid
- C) Silver nitrate
- D) Ammonia

Correct Answer : Option A

16. An example of a systemic alkalizer is

- A) Sodium acetate
- B) Sodium bicarbonate
- C) Magnesium oxide
- D) Iron sulfate

Correct Answer : Option B

17. Which inorganic acid is used medicinally as a buffer?

- A) Acetic acid
- B) Sulphuric acid
- C) Citric acid
- D) Boric acid

Correct Answer : Option D

18. Sodium bisulfite acts as

- A) Astringent
- B) Antacid
- C) Antiemetic
- D) Antioxidant

Correct Answer : Option D

19. Which one of the following is the most common source of impurities in pharmaceutical substances?

- A) Manufacturing process
- B) Packaging materials
- C) Storage materials
- D) Raw materials

Correct Answer : Option D

20. For a drug with both acidic and alkaline groups, which buffer system offers highest stability?

- A) Ammonia buffer
- B) Boric acid buffer
- C) Citrate buffer
- D) Phosphate buffer

Correct Answer : Option D

21. Pharmacognosy deals with

- A) Medicinal plants

- B) Clinical pathology
- C) Chemical analysis
- D) Human body parts

Correct Answer : Option A

22. Digitalis is used mainly for

- A) Skin infections
- B) Fever/ Inflammation
- C) Eye drops
- D) Cardiac ailments

Correct Answer : Option D

23. The synonym of isabgol is

- A) Ephedra
- B) Eucalyptus
- C) Senna
- D) Psyllium

Correct Answer : Option D

24. Which plant is a source of morphine?

- A) Clove
- B) Neem
- C) Poppy
- D) Tulsi

Correct Answer : Option C

25. The color of powdered ginger is

- A) Brownish-yellow
- B) Red
- C) Green
- D) Blue

Correct Answer : Option A

26. Which plant drug is best evaluated using Thin-Layer Chromatography and UltraViolet detection methods for standardization?

- A) Rauwolfia
- B) Digitalis
- C) Senna

D) Opium

Correct Answer : Option B

27. Fennel is effective as

- A) Cardiovascular drug
- B) Carminative
- C) Laxative
- D) Hematinic

Correct Answer : Option B

28. Surgical dressings are identified by testing for

- A) Alkaloids
- B) Protein content
- C) Volatile oils
- D) Fiber microscopy

Correct Answer : Option D

29. Organoleptic evaluation involves

- A) Chemical tests
- B) Chromatography
- C) Physical observation
- D) Spectroscopy

Correct Answer : Option C

30. Nux vomica is known for

- A) Oils
- B) Glycosides
- C) Flavonoids
- D) Alkaloids

Correct Answer : Option A

31. Which coenzyme is involved in oxidative deamination

- A) NAD⁺
- B) FAD
- C) CoA
- D) Biotin

Correct Answer : Option A

- 32.** In glucose tolerance test, fasting plasma glucose above ____ mmol/L is diagnostic of diabetes mellitus.
- A) 5.6
 - B) 6.5
 - C) 7.0
 - D) 7.8

Correct Answer : Option D

- 33.** The storage form of glucose in animals is
- A) Starch
 - B) Glycogen
 - C) Cellulose
 - D) Lactose

Correct Answer : Option B

- 34.** Which test detects protein in urine?
- A) Benedict's
 - B) Barfoed's
 - C) Bial
 - D) Biuret

Correct Answer : Option D

- 35.** Normal pH of blood is
- A) 4.5
 - B) 5.4
 - C) 7.4
 - D) 8.5

Correct Answer : Option C

- 36.** A qualitative test for carbohydrate is
- A) Millon's
 - B) Biuret
 - C) Salkowski
 - D) Molisch's

Correct Answer : Option D

37. Electrolyte important in muscle contraction

- A) Zinc
- B) Magnesium
- C) Chloride
- D) Calcium

Correct Answer : Option D

38. The enzyme that digests starch in saliva is

- A) Amylase
- B) Lipase
- C) Protease
- D) Maltase

Correct Answer : Option A

39. Which test detects creatinine in urine?

- A) Barfoed's test
- B) Benedict's test
- C) Jaffe's test
- D) Molisch test

Correct Answer : Option C

40. The deficiency of which vitamin leads to pellagra?

- A) Thiamine
- B) Riboflavin
- C) Niacin
- D) Folic acid

Correct Answer : Option C

41. Which gland controls metabolic rate?

- A) Adrenal gland
- B) Pancreas
- C) Pituitary gland
- D) Thyroid gland

Correct Answer : Option D

42. Which cranial nerve supplies the diaphragm?

- A) Vagus
- B) Phrenic

- c) Hypoglossal
- D) Accessory

Correct Answer : Option B

43. What is the main neurotransmitter at neuromuscular junctions?

- A) Serotonin
- B) Norepinephrine
- c) Dopamine
- D) Acetylcholine

Correct Answer : Option D

44. Function of insulin is all EXCEPT

- A) Positive regulation of glycolytic process
- B) Negative regulation of protein kinase B signalling
- c) Raise blood pressure
- D) Stimulate heart

Correct Answer : Option B

45. The movement of food through the digestive system is called

- A) Peristalsis
- B) Osmosis
- c) Filtration
- D) Diffusion

Correct Answer : Option A

46. Which valve is present between left atrium and left ventricle?

- A) Tricuspid
- B) Mitral
- c) Aortic
- D) Pulmonary

Correct Answer : Option B

47. Which part of brain controls voluntary activity?

- A) Cerebrum
- B) Cerebellum
- c) Medulla
- D) Pons

Correct Answer : Option A

48. The largest organ in the human body is

- A) Brain
- B) Heart
- C) Liver
- D) Skin

Correct Answer : Option D

49. Exchange of gases occurs in

- A) Trachea
- B) Pleura
- C) Bronchi
- D) Alveoli

Correct Answer : Option D

50. Red blood cells are produced in the

- A) Liver
- B) Bone marrow
- C) Spleen
- D) Lymph nodes

Correct Answer : Option B

51. The most effective method for family planning in India is

- A) Chemical
- B) Hormonal
- C) Surgical
- D) Behavioral

Correct Answer : Option C

52. Major indicator of healthcare in a community is:

(i) Hospital beds per capita; (ii) Immunization coverage; (iii) Literacy rate

- A) (i) and (ii) only
- B) (i) and (iii) only
- C) (ii) and (iii) only
- D) All of the above

Correct Answer : Option A

53. Epidemiology deals with

- A) Drug pricing
- B) Treatment of patients
- C) Disease distribution
- D) Hospital layout

Correct Answer : Option C

54. Which is NOT a method to control arthropodborne diseases?

- A) Insecticide spraying
- B) Vaccination
- C) Using bed nets
- D) Increasing noise levels

Correct Answer : Option D

55. Natural history of disease does not include

- A) Incubation period
- B) Convalescence
- C) Prevention
- D) Symptom onset

Correct Answer : Option C

56. Which is key for prevention of hospital acquired infection?

- A) Overcrowding
- B) Disinfection
- C) Late ambulation
- D) Poor ventilation

Correct Answer : Option B

57. The concept of herd immunity and its application in preventing epidemics is

- A) All individuals are immune
- B) Immunity acquired by the majority protects vulnerable individuals
- C) Immunity only through vaccination
- D) Immunity by isolation

Correct Answer : Option B

58. Which country uses the yellow card Scheme?

- A) United States of America
- B) United Kingdom

- C) Australia
- D) India

Correct Answer : Option B

59. The primary vector for dengue is

- A) Culex mosquito
- B) Aedes mosquito
- C) Anopheles mosquito
- D) Sandfly

Correct Answer : Option B

60. First aid for burns includes

- A) Immediate application of butter
- B) Flushing with cold water
- C) Popping blisters
- D) Covering with ice

Correct Answer : Option B

61. Main excipient in effervescent powder is

- A) Lactose only
- B) Citric acid only
- C) Sodium bicarbonate only
- D) Both Citric acid and Sodium bicarbonate

Correct Answer : Option D

62. The main ingredient of calamine lotion is

- A) Magnesium oxide
- B) Zinc oxide
- C) Ferric oxide
- D) Boric acid

Correct Answer : Option B

63. The main disadvantage of medicine in powder form is

- A) Easily contaminated
- B) Stable
- C) Dose flexibility
- D) Faster dissolution

Correct Answer : Option A

64. Incompatibility that results in turbidity is

- A) Physical
- B) Chemical
- C) Therapeutic
- D) Synergism

Correct Answer : Option A

65. A label "Store in a cool place" means

- A) 2–8°C
- B) 8–15°C
- C) 15–25°C
- D) Below 0°C

Correct Answer : Option B

66. The process of geometric dilution is important for

- A) Liquid preparation
- B) Tablet coating
- C) Capsule filling
- D) Powder mixing

Correct Answer : Option D

67. Which test is essential for tablet quality?

- A) Redox
- B) Fusion
- C) Dissolution
- D) Melting point

Correct Answer : Option C

68. Parenteral dosage forms require

- A) Colorants
- B) Flavors
- C) High viscosity
- D) Sterility

Correct Answer : Option D

69. For accurate pediatric dosing, which calculation method is preferred?

- A) Age-based
- B) Surface area calculation
- C) Gender-based
- D) Route of administration

Correct Answer : Option B

70. Which regulatory standard governs drug labeling and storage of vaccines in India?

- A) Schedule C only
- B) Schedule P only
- C) Schedule X only
- D) Both Schedule C and Schedule X

Correct Answer : Option A

71. What is a cachet?

- A) Liquid dosage form
- B) Hard capsule for powders
- C) Film coating
- D) Vaccine Vial

Correct Answer : Option B

72. Which is a reducing agent?

- A) Potassium permanganate
- B) Hydrogen peroxide
- C) Sodium thiosulphate
- D) Silver nitrate

Correct Answer : Option C

73. Limit test for sulphate is confirmed by

- A) White precipitate
- B) Red precipitate
- C) Black precipitate
- D) Green precipitate

Correct Answer : Option A

74. Benzalkonium chloride acts as

- A) Analgesic
- B) Anticoagulant

- C) Antiinflammatory
- D) Disinfectant

Correct Answer : Option D

75. Thiacetazone belongs to

- A) Antitubercular drugs
- B) Antimalarial drugs
- C) Tranquilizers
- D) Diuretics

Correct Answer : Option A

76. Nystatin is classified as a

- A) Antimalarial
- B) Antifungal
- C) Antibiotic
- D) Antitubercular

Correct Answer : Option B

77. For solubility determination of organic drugs, which property is most important?

- A) Absorption spectrum
- B) Melting point
- C) Functional group
- D) Boiling point

Correct Answer : Option C

78. Methotrexate's major adverse effect relates to

- A) Hepatic toxicity
- B) Nephrotoxicity
- C) Myelosuppression
- D) Allergic reactions

Correct Answer : Option C

79. Example(s) of a complexometric titration in pharmaceutical analysis is(are)

- A) Magnesium determination only
- B) Iron determination only
- C) Calcium determination only
- D) Both Magnesium determination and Iron determination

Correct Answer : Option A

80. Proflavine is used as

- A) Antiseptic
- B) Antibiotic
- C) Anthelminthic
- D) Supplements

Correct Answer : Option A

81. Which is NOT an autacoid?

- A) Histamine
- B) Serotonin
- C) Prostaglandin
- D) Paracetamol

Correct Answer : Option D

82. Poisoning by heavy metals is treated using

- A) Adsorbent
- B) Betablocker
- C) Chelating agents
- D) Diuretic

Correct Answer : Option C

83. Which is a loop diuretic?

- A) Amiloride
- B) Furosemide
- C) Spironolactone
- D) Thiazide

Correct Answer : Option B

84. The route of administration that is quickest in action is

- A) Oral
- B) Subcutaneous
- C) Intravenous
- D) Transdermal

Correct Answer : Option C

85. The absorption process for oral drugs is most influenced by

- A) Color
- B) Enzyme absence
- C) pH
- D) All of the above

Correct Answer : Option C

86. Main organ for drug metabolism

- A) Kidney
- B) Lungs
- C) Liver
- D) Heart

Correct Answer : Option C

87. Antihypertensive drugs commonly used are

- A) Alpha methyl dopa
- B) Clofibrate
- C) Quinidine
- D) All of the above

Correct Answer : Option A

88. Anticholinergic drugs are mainly used for

- A) Parkinsonism
- B) Asthma
- C) Diabetes
- D) Hypertension

Correct Answer : Option A

89. Which drug is NOT a plasma expander?

- A) Dextran
- B) Mannitol
- C) Gelatin
- D) NaCl

Correct Answer : Option D

90. The rationale of combination therapy in tuberculosis is

- A) Promote resistance
- B) Decrease efficacy

- c) Shorten treatment duration
- d) All of the above

Correct Answer : Option C

91. The “red line” on medicine packs means

- A) Cosmetics
- B) Sterile items
- c) Not for internal use
- d) Prescription drug

Correct Answer : Option D

92. Pharmacist's oath is related to

- A) Business
- B) Drug design
- c) Drug dispensing
- d) Ethics

Correct Answer : Option D

93. Magic remedies act relates to

- A) False advertisements
- B) Drug export
- c) Drug import
- d) Formulation of Drug

Correct Answer : Option A

94. The regulatory body for registration of drugs in India

- A) ICMR
- B) PCI
- c) DCGI
- d) MCI

Correct Answer : Option C

95. The Pharmacy Act was passed in

- A) 1980
- B) 1961
- c) 1955
- d) 1948

Correct Answer : Option D

96. Latest Drug Price Control Order is enforced by

- A) Indian Medical Council
- B) Pharmacy Council of India
- C) National Pharmaceutical Pricing Authority
- D) National Medical Council

Correct Answer : Option C

97. The Narcotic Drugs & Psychotropic Substances Act was enacted in

- A) 1940
- B) 1955
- C) 1971
- D) 1985

Correct Answer : Option D

98. Which one of the following is true about Schedule H or Schedule X drugs?

- A) Both are for prescription drugs
- B) X are habit forming, more strictly regulated
- C) H used for general diseases
- D) X is for vaccine regulation

Correct Answer : Option B

99. The life period (shelf life) of a drug is dealt in which schedule of the Drugs and Cosmetics Act?

- A) Schedule M
- B) Schedule N
- C) Schedule P
- D) Schedule Q

Correct Answer : Option C

100. The Pharmacy Act requires reconstitution of the council after every

- A) 2 years
- B) 3 years
- C) 5 years
- D) 10 years

Correct Answer : Option C

101. The simplest method of inventory control is

- A) VED
- B) ABC
- C) Maximum-minimum
- D) Just-in-time

Correct Answer : Option C

102. Economic order quantity is related to

- A) Sales
- B) Inventory
- C) Purchase
- D) Manufacturing

Correct Answer : Option B

103. Missed sales due to lack of stock is

- A) Overstock
- B) Stock out
- C) Inventory
- D) Purchase

Correct Answer : Option B

104. Trial Balance is used for

- A) Checking accounting accuracy
- B) Asset valuation
- C) Drug pricing
- D) Personnel management

Correct Answer : Option A

105. Inventory lead time refers to

- A) Consumption period
- B) Storage period
- C) Manufacturing period
- D) Reorder period

Correct Answer : Option D

106. Main objective of inventory control is

- A) Profit maximization
- B) Safety stock maintenance

- c) Product development
- d) Accounting

Correct Answer : Option B

107. The main aim of budgeting is

- A) Planning
- B) Investment
- c) Recruitment
- d) All of the above

Correct Answer : Option A

108. Window display is for

- A) Stocking
- B) Advertisement
- c) Cash handling
- d) Billing

Correct Answer : Option B

109. The double entry system is used in

- A) Bookkeeping and accounting
- B) Inventory control
- c) Marketing
- d) Human resources

Correct Answer : Option A

110. The ABC analysis in inventory is used to

- A) First Aid management
- B) Arrange by shelves
- c) Arrange by efficiency
- d) Arrange by cost

Correct Answer : Option D

111. The system for safe drug administration is

- A) Three checks
- B) Four rights
- c) Six rights
- d) Seven Checks

Correct Answer : Option C

112. Clinical pharmacy emphasizes

- A) Direct patient care
- B) Drug manufacturing
- C) Marketing
- D) All of the above

Correct Answer : Option A

113. Adverse Drug Reaction (ADR) is

- A) Harmful unintended response
- B) Side effect only
- C) Toxic effect only
- D) Occurs in increased dose intake

Correct Answer : Option A

114. Drug Distribution System in hospital does NOT include

- A) Floor stock
- B) Individual prescription
- C) Billing
- D) Unit dose system

Correct Answer : Option C

115. Admixtures in hospital refer to

- A) IV fluids mixed with drugs
- B) Combinations of oral drugs
- C) Herbal preparations
- D) Topical creams

Correct Answer : Option A

116. The term “unit dose system” refers to

- A) Repacking injectables for ward use
- B) Manufacturing tablets in batches
- C) Dispensing medications in single-use packaging
- D) Bulk compounding of ointments

Correct Answer : Option C

117. The ISO class for critical areas like clean rooms in pharmacy manufacturing is generally

- A) ISO 5 or lower
- B) ISO 9 or higher
- C) ISO 7 or lower
- D) ISO 10

Correct Answer : Option A

118. "Recall" in hospital pharmacy refers to

- A) Asking for a medication history
- B) Collecting old case files
- C) Recalling staff from leave in emergencies
- D) Removal of a specific batch of drug due to defect

Correct Answer : Option D

119. Pyrogens in injectable preparations are substances originating from

- A) Dead or living microbes
- B) Dissolved gases
- C) Electrolyte solutions
- D) All of the above

Correct Answer : Option A

120. For proper functioning, a hospital pharmacy should be located

- A) Adjacent to the cafeteria
- B) Outside the hospital premises
- C) Centrally within the hospital building
- D) Near the parking lot

Correct Answer : Option C