

Chapter 01: A History of Pharmacy

Multiple Choice

1. Presently, _____ leads in setting standards for natural remedies.

- a. China
- b. Greece
- c. Rome
- d. Germany

ANSWER: d

2. The earliest examples of healing centers can be found in _____.

- a. Germany
- b. Greece
- c. India
- d. Egypt

ANSWER: b

3. _____ is the attainment and retention of equilibrium in the body through appropriate drugs and diet.

- a. Homeostasis
- b. Pharmacogenesis
- c. Heterostasis
- d. Immunogenesis

ANSWER: a

4. _____ is considered to be the “father of medicine.”

- a. Aesculapius
- b. Galen
- c. Cos
- d. Hippocrates

ANSWER: d

5. Viscous mucous secreted orally is known as _____.

- a. phlegm
- b. bile
- c. blood
- d. tears

ANSWER: a

6. The word for drug in Hippocratic writing was _____.

- a. allopathia
- b. pharmacognon
- c. sanatoria
- d. pharmakon

ANSWER: d

7. _____ is a concept employed by the Greeks that treats symptoms and diseases with drugs that restore health by causing the opposite effect.

- a. Neuropathy
- b. Homeopathy
- c. Allopathy
- d. Psychopathy

ANSWER: c

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8. ____ treats health problems with very dilute substances that cause the same effect as the symptom.
- a. Neuropathy
 - b. Homeopathy
 - c. Allopathy
 - d. Psychopathy

ANSWER: b

9. What science primarily deals with the medicinal ingredients in living plants?
- a. pharmacognosy
 - b. pharmacology
 - c. biology
 - d. geology

ANSWER: a

10. Who is known as the “father of botany”?
- a. Dioscorides
 - b. Hippocrates
 - c. Theophrastus
 - d. Galen

ANSWER: c

11. The *De Materia Medica* contained information on ____.
- a. the known parts of the human anatomy
 - b. the medicinal uses of plants
 - c. common psychological conditions
 - d. minerals used postoperatively

ANSWER: b

12. The treatment of disease with medications is known as ____.
- a. pharmacotherapy
 - b. pharmacology
 - c. pharmacognosy
 - d. pharmakotherapeutics

ANSWER: a

13. The author of *On the Art of Healing* was ____.
- a. Theophrastus
 - b. Dioscorides
 - c. Hippocrates
 - d. Galen

ANSWER: d

14. Genesis mentions _____, a remedy used throughout history as an appetite stimulant.
- a. carminative
 - b. myrrh
 - c. frankincense
 - d. gold

ANSWER: b

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15. _____ is a medication, mentioned in the Bible, that relieves intestinal gas.
- a. Carminative
 - b. Myrrh
 - c. Frankincense
 - d. Gold

ANSWER: a

16. Garlic is currently being investigated as a means to _____.
- a. reduce blood pressure
 - b. lower blood glucose
 - c. prevent premature labor
 - d. treat major depression

ANSWER: a

17. Pope Sixtus V authorized the _____ as a special insignia designating the special service provided by the order in the care of patients, many with diseases.
- a. red cross
 - b. blue cross
 - c. purple cross
 - d. yellow cross

ANSWER: a

18. Drugs used in early China include _____.
- a. ephedra
 - b. penicillin
 - c. garlic
 - d. myrrh

ANSWER: a

19. In early China, _____ drugs treated heart conditions
- a. blue
 - b. red
 - c. yellow
 - d. green

ANSWER: b

20. In early China, _____ drugs were used to treat liver problems.
- a. blue
 - b. red
 - c. yellow
 - d. green

ANSWER: c

21. More than 2000 drugs are listed in _____ writings, including cinnamon, cardamom, ginger, pepper, aconite, and licorice.
- a. Avicenna's
 - b. Mithradates'
 - c. Louisa May Alcott's
 - d. Charaka's

ANSWER: d

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22. ____ are leafy plants used as a medicinal or flavoring agent.
- a. Herbs
 - b. Vitamins
 - c. Minerals
 - d. Antioxidants

ANSWER: a

23. Between 1347 and 1350, the ____ killed almost one-third of the inhabitants of Europe.
- a. mumps
 - b. scarlet fever
 - c. AIDS virus
 - d. Black Plague

ANSWER: d

24. ____ was the first antibiotic used in therapy.
- a. Penicillin
 - b. Aspirin
 - c. Sulfa
 - d. Ginseng

ANSWER: a

25. ____ crippled American President Franklin Roosevelt and killed and crippled many children.
- a. CVA
 - b. Alzheimer's
 - c. Poliomyelitis
 - d. Malaria

ANSWER: c

26. ____ was the first antibiotic to be effective against tubercle bacillus, the infective agent in tuberculosis.
- a. Clindamycin
 - b. Streptomycin
 - c. Vancomycin
 - d. Penicillin

ANSWER: b

27. Benjamin Rush introduced psychiatric treatment based on ____.
- a. neurotransmitters
 - b. religious concepts
 - c. moral principles
 - d. biology

ANSWER: c

28. The first physician in the United States to provide general anesthesia for surgery was ____.
- a. Crawford Long
 - b. Albert Sabin
 - c. Selman Waksman
 - d. Willard Parker

ANSWER: a

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Matching

Please match the name with the correct description.

- a. Hippocrates
- b. Theophrastus
- c. Dioscorides
- d. Galen
- e. Moses Maimonides
- f. Jonas Salk
- g. Paul Ehrlich
- h. Edward Jenner

29. experimenter in drug compounding

ANSWER: d

30. the Father of Medicine

ANSWER: a

31. wrote a prayer that was a pledge of service for pharmacists

ANSWER: e

32. discovered the vaccine for smallpox

ANSWER: h

33. discovered the injectable vaccine for polio

ANSWER: f

34. the father of botany

ANSWER: b

35. noted botanist and pharmacist

ANSWER: c

36. introduced the concept of chemotherapy

ANSWER: g

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Please match the name with the correct description.

- a. St. Camillus de Lellis
- b. *Pen T'sao*
- c. Lao-tsu
- d. Mithradates
- e. *Minhaj*
- f. Avicenna

37. *Handbook for the Apothecary Shop*

ANSWER: e

38. founded a religious order, Clerics Regular Servants of the Sick

ANSWER: a

39. Taoist philosopher, composed "Tao te Ching"

ANSWER: c

40. called the "Persian Galen"

ANSWER: f

41. the botanical basis of pharmacy

ANSWER: b

42. father of toxicology

ANSWER: d

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Please match the name with the correct description.

- a. Al-Mansur Hospital
 - b. Egyptian medical parchment scroll
 - c. Crusaders
 - d. "Lititz Pharmacopoeia"
 - e. Louisa May Alcott
 - f. President Abraham Lincoln
43. published *Hospital Sketches*

ANSWER: e

44. found in Egypt by George Ebers

ANSWER: b

45. hospital formulary compiled in Pennsylvania during the Revolutionary War

ANSWER: d

46. built hospitals in the Holy Lands

ANSWER: c

47. established the U.S. Sanitary Commission

ANSWER: f

48. an example of the Arabs' interest and dedication to health care

ANSWER: a

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Please match the name with the correct description.

- a. Paracelsus
- b. *Dispensatorium Pharmacopolarum*
- c. Frederick Serturmer
- d. Johannes Buchner
- e. Rudolph Brandes

49. discovered salicin in willow bark and nicotine in tobacco

ANSWER: d

50. Swiss alchemist

ANSWER: a

51. prepared salts of morphine

ANSWER: c

52. isolated hyoscyamine

ANSWER: e

53. first legal pharmacopoeia

ANSWER: b

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Please match the name with the correct description.

- a. Gerhard Domagk
- b. Karl Scheele
- c. William Withering
- d. Bernard Courtois
- e. Joseph Caventou
- f. Pierre Robiquet
- g. Henri Moissan

54. discovered digoxin

ANSWER: c

55. obtained free fluorine by electrolytic methods

ANSWER: g

56. discovered a sulfa drug, prontosil

ANSWER: a

57. collaborated with Pierre Pelletier in the discovery of quinine

ANSWER: e

58. discovered arsenic, chlorine, and glycerin

ANSWER: b

59. discovered codeine

ANSWER: f

60. discovered iodine

ANSWER: d

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Please match the agent with the correct definition.

- a. antihypertensives
 - b. antiarrhythmics
 - c. vasodilators
 - d. antianginals
 - e. beta blockers
 - f. immunomodulators
61. agents that reduce chest pain

ANSWER: d

62. agents that regulate the immune system

ANSWER: f

63. agents that lower blood pressure

ANSWER: a

64. agents that dilate blood vessels

ANSWER: c

65. agents that block beta receptors in the autonomic nervous system

ANSWER: e

66. agents that restore normal heart rhythms

ANSWER: b

Objective Short Answer

67. What is deinstitutionalization?

ANSWER: Deinstitutionalization is the discharge of persons with a history of long-term mental health care in a hospital back to the community

68. What was the name of the first book of drug standards published in the United States?

ANSWER: The first book of drug standards published in the United States is known as the U.S. Pharmacopoeia (USP).

69. What was the goal of the U.S. Pharmacopoeia Convention?

ANSWER: The goal of the convention was to select the “official” drugs and to set up standards for their identity, purity, and assay methods.

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Subjective Short Answer

70. Hippocrates used several treatments for patients who came to the temples. List two of these types of treatments.

ANSWER: Answers should include any of the following:

- herbal remedies
- mineral baths
- exercise
- fresh sea air
- sunshine

71. Opium comes from the juice of what plant?

ANSWER: poppy plant

72. What is the name of the hospital that was founded in 717 and was one of the largest hospitals in Europe?

ANSWER: Hospital of the Holy Spirit

73. What do you call a disease that affects a global population?

ANSWER: pandemic