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| --- |
| Multiple Choice |

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| 1. Presently, \_\_\_\_ leads in setting standards for natural remedies.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | China | b. | Greece | |  | c. | Rome | d. | Germany |  |  |  | | --- | --- | | *ANSWER:* | d | |

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| 2. The earliest examples of healing centers can be found in \_\_\_\_.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | Germany | b. | Greece | |  | c. | India | d. | Egypt |  |  |  | | --- | --- | | *ANSWER:* | b | |

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| 3. \_\_\_\_ is the attainment and retainment of equilibrium in the body through appropriate drugs and diet.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | Homeostasis | b. | Pharmacogenesis | |  | c. | Heterostasis | d. | Immunogenesis |  |  |  | | --- | --- | | *ANSWER:* | a | |

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| 4. \_\_\_\_ is considered to be the “father of medicine.”   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | Aesculapius | b. | Galen | |  | c. | Cos | d. | Hippocrates |  |  |  | | --- | --- | | *ANSWER:* | d | |

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| 5. Viscous mucous secreted orally is known as \_\_\_\_.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | phlegm | b. | bile | |  | c. | blood | d. | tears |  |  |  | | --- | --- | | *ANSWER:* | a | |

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| 6. The word for drug in Hippocratic writing was \_\_\_\_.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | allopathia | b. | pharmacognon | |  | c. | sanatoria | d. | pharmakon |  |  |  | | --- | --- | | *ANSWER:* | d | |

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| 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 | |

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

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

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| 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 | |

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| 12. The treatment of disease with medications is known as \_\_\_\_.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | pharmacotherapy | b. | pharmacology | |  | c. | pharmacognosy | d. | pharmakotherapeutics |  |  |  | | --- | --- | | *ANSWER:* | a | |

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| 13. The author of *On the Art of Healing* was \_\_\_\_.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | Theophrastus | b. | Dioscorides | |  | c. | Hippocrates | d. | Galen |  |  |  | | --- | --- | | *ANSWER:* | d | |

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| 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 | |

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| 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 | |

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| 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 | |

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| 18. Drugs used in early China include \_\_\_\_.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | ephedra | b. | penicillin | |  | c. | garlic | d. | myrrh |  |  |  | | --- | --- | | *ANSWER:* | a | |

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| 19. In early China, \_\_\_\_ drugs treated heart conditions   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | blue | b. | red | |  | c. | yellow | d. | green |  |  |  | | --- | --- | | *ANSWER:* | b | |

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| 20. In early China, \_\_\_\_ drugs were used to treat liver problems.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | blue | b. | red | |  | c. | yellow | d. | green |  |  |  | | --- | --- | | *ANSWER:* | c | |

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| 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 | |

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| 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 | |

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| 24. \_\_\_\_ was the first antibiotic used in therapy.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | Penicillin | b. | Aspirin | |  | c. | Sulfa | d. | Ginseng |  |  |  | | --- | --- | | *ANSWER:* | a | |

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| 25. \_\_\_\_ crippled American President Franklin Roosevelt and killed and crippled many children.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | CVA | b. | Alzheimer’s | |  | c. | Poliomyelitis | d. | Malaria |  |  |  | | --- | --- | | *ANSWER:* | c | |

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| 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 | |

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| 27. Benjamin Rush introduced psychiatric treatment based on \_\_\_\_.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | neurotransmitters | b. | religious concepts | |  | c. | moral principles | d. | biology |  |  |  | | --- | --- | | *ANSWER:* | c | |

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| 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 |

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| *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 | |

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| 29. experimenter in drug compounding   |  |  | | --- | --- | | *ANSWER:* | d | |

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| 30. the Father of Medicine   |  |  | | --- | --- | | *ANSWER:* | a | |

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| 31. wrote a prayer that was a pledge of service for pharmacists   |  |  | | --- | --- | | *ANSWER:* | e | |

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| 32. discovered the vaccine for smallpox   |  |  | | --- | --- | | *ANSWER:* | h | |

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| 33. discovered the injectable vaccine for polio   |  |  | | --- | --- | | *ANSWER:* | f | |

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| 34. the father of botany   |  |  | | --- | --- | | *ANSWER:* | b | |

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| 35. noted botanist and pharmacist   |  |  | | --- | --- | | *ANSWER:* | c | |

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| 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 | |

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| 37. *Handbook for the Apothecary Shop*   |  |  | | --- | --- | | *ANSWER:* | e | |

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| 38. founded a religious order, Clerics Regular Servants of the Sick   |  |  | | --- | --- | | *ANSWER:* | a | |

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| 39. Taoist philosopher, composed “Tao te Ching”   |  |  | | --- | --- | | *ANSWER:* | c | |

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| 40. called the “Persian Galen”   |  |  | | --- | --- | | *ANSWER:* | f | |

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| 41. the botanical basis of pharmacy   |  |  | | --- | --- | | *ANSWER:* | b | |

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| 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 | |

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| 43. published *Hospital Sketches*   |  |  | | --- | --- | | *ANSWER:* | e | |

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| 44. found in Egypt by George Ebers   |  |  | | --- | --- | | *ANSWER:* | b | |

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| 45. hospital formulary compiled in Pennsylvania during the Revolutionary War   |  |  | | --- | --- | | *ANSWER:* | d | |

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| 46. built hospitals in the Holy Lands   |  |  | | --- | --- | | *ANSWER:* | c | |

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| 47. established the U.S. Sanitary Commission   |  |  | | --- | --- | | *ANSWER:* | f | |

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| 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 Serturner | | d. | Johannes Buchner | | e. | Rudolph Brandes | |

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| 49. discovered salicin in willow bark and nicotine in tobacco   |  |  | | --- | --- | | *ANSWER:* | d | |

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| 50. Swiss alchemist   |  |  | | --- | --- | | *ANSWER:* | a | |

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| 51. prepared salts of morphine   |  |  | | --- | --- | | *ANSWER:* | c | |

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| 52. isolated hyoscyamine   |  |  | | --- | --- | | *ANSWER:* | e | |

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| 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 | |

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| 54. discovered digoxin   |  |  | | --- | --- | | *ANSWER:* | c | |

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| 55. obtained free fluorine by electrolytic methods   |  |  | | --- | --- | | *ANSWER:* | g | |

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| 56. discovered a sulfa drug, prontosil   |  |  | | --- | --- | | *ANSWER:* | a | |

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| 57. collaborated with Pierre Pelletier in the discovery of quinine   |  |  | | --- | --- | | *ANSWER:* | e | |

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| 58. discovered arsenic, chlorine, and glycerin   |  |  | | --- | --- | | *ANSWER:* | b | |

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| 59. discovered codeine   |  |  | | --- | --- | | *ANSWER:* | f | |

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| 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 | |

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| 61. agents that reduce chest pain   |  |  | | --- | --- | | *ANSWER:* | d | |

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| 62. agents that regulate the immune system   |  |  | | --- | --- | | *ANSWER:* | f | |

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| 63. agents that lower blood pressure   |  |  | | --- | --- | | *ANSWER:* | a | |

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| 64. agents that dilate blood vessels   |  |  | | --- | --- | | *ANSWER:* | c | |

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| 65. agents that block beta receptors in the autonomic nervous system   |  |  | | --- | --- | | *ANSWER:* | e | |

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| 66. agents that restore normal heart rhythms   |  |  | | --- | --- | | *ANSWER:* | b | |

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| Objective Short Answer |

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| 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 | |

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| 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). | |

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| 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 |

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| 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 | |

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| 71. Opium comes from the juice of what plant?   |  |  | | --- | --- | | *ANSWER:* | poppy plant | |

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| 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 | |

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| --- | --- | --- |
| 73. What do you call a disease that affects a global population?   |  |  | | --- | --- | | *ANSWER:* | pandemic | |