Microbiology for Surgical Technologists 2nd edition Rodriguez Test Bank

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Name:_____ Class:_____ Date:_____

Ch 2 - The Science of Microbiology

1.
The population of microorganisms present in various anatomical areas of the body are referred to as the _____, sometimes referred to as normal flora.

ANSWER: microbiome
POINTS: 1
QUESTION TYPE: Completion
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
DATE CREATED: 12/9/2015 8:05 AM
DATE MODIFIED: 12/9/2015 8:05 AM

2.
The first classification system developed by Aristotle divided plants and animals into two _____.

ANSWER: kingdoms
POINTS: 1
QUESTION TYPE: Completion
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
DATE CREATED: 12/9/2015 8:06 AM
DATE MODIFIED: 12/9/2015 8:06 AM

3. The scientific system of observing and comparing similarities between microorganisms used to develop the earlier classification systems is called _____.

ANSWER: phenetics
POINTS: 1
QUESTION TYPE: Completion
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
DATE CREATED: 12/9/2015 8:06 AM
DATE MODIFIED: 12/9/2015 8:07 AM

4. Unlike bacteria, non-living viruses are acellular microbes consisting of nucleic acids wrapped in a coating called a _____.

ANSWER: capsid
POINTS: 1
QUESTION TYPE: Completion
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
DATE CREATED: 12/9/2015 8:07 AM
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5. The scientific community of microbiologists relies on an established naming system called _____ to identify and classify microbes and other living organisms.

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ANSWER: taxonomy
POINTS: 1
QUESTION TYPE: Completion
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
DATE CREATED: 12/9/2015 8:07 AM
DATE MODIFIED: 12/9/2015 8:08 AM

6. Which of the general groups of microbes is comprised of extremophiles which thrive in harsh environments such as salt marshes, geothermal springs, and glacial ice?

a. Archaea
b. Eukaryotes
c. Prokaryotes
d. Viruses

ANSWER: a
POINTS: 1
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 12/9/2015 8:08 AM
DATE MODIFIED: 12/9/2015 8:09 AM

7. Which of the following scientists expanded the original two kingdom classification system by adding a third, comprised of single-celled eukaryotes and prokaryotes?

a. Aristotle
b. Copeland
c. Haeckel
d. Woese

ANSWER: c
POINTS: 1
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 12/9/2015 8:09 AM
DATE MODIFIED: 12/9/2015 8:10 AM

8. Escherichia coli is an example of the naming of organisms called:

a. Binomial nomenclature
b. Cladistics and phylogeny
c. Morphology
d. Phenetics

ANSWER: a
POINTS: 1
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False

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9. The ordering of divisions of organisms into related groups from domain (largest group) down to species (smallest group) is called a taxonomic:

a. Domain
b. Hierarchy
c. Classification
d. Nomenclature

ANSWER: b
POINTS: 1
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 12/9/2015 8:11 AM
DATE MODIFIED: 12/9/2015 8:12 AM

10. Bergey developed a widely used system of systematic:

a. Virology
b. Genomics
c. Hierarchy
d. Bacteriology

ANSWER: d
POINTS: 1
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 12/9/2015 8:12 AM
DATE MODIFIED: 12/9/2015 8:13 AM

Match the following terms or phrases with the correct description or definition.

a. A classification system based on common ancestors, phylogenic relationships, and evolutionary changes.
b. Protein molecules which comprise the capsule around viral nucleic acids.
c. A condition of destruction of brain matter from pathogenic invasion.
d. A division of taxonomic hierarchy smaller than kingdom and larger than class.
e. Group of microbes which have ancient roots and similarities with unicellular and multicellular microbial organisms.
f. Viral particles which infect bacterial cells.
g. The study of all classes and types of prokaryotic organisms.
h. Group of organisms characterized by the presence of a nucleus within the cell structure.
i. A non-living pathogen which contains reverse transcriptase that synthesizes DNA from an RNA template.
j. The complete set of an organism's DNA, RNA, chromosomes, and genes.

QUESTION TYPE: Matching
HAS VARIABLES: False
DATE CREATED: 12/9/2015 8:14 AM
DATE MODIFIED: 12/9/2015 8:18 AM

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11. Encephalopathy
ANSWER: c
POINTS: 1

12. Archaea
ANSWER: e
POINTS: 1

13. Genome
ANSWER: j
POINTS: 1

14. Bacteriology
ANSWER: g
POINTS: 1

15. Capsomeres
ANSWER: b
POINTS: 1

16. Phaginae
ANSWER: f
POINTS: 1

17. Retrovirus
ANSWER: i
POINTS: 1

18. Cladistics
ANSWER: a
POINTS: 1

19. Eukaryote
ANSWER: h
POINTS: 1

20. Phylum
ANSWER: d
POINTS: 1

21.
The term normal flora refers to healthy crops and plant populations unaffected by disease or infestations.
a. True
b. False
ANSWER: False
POINTS: 1

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QUESTION TYPE: True / False
HAS VARIABLES: False
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22. Carl Woese based his classification system on what he considered the more precise method of comparison called phenetics.
    a. True
    b. False
ANSWER: False
POINTS: 1
QUESTION TYPE: True / False
HAS VARIABLES: False
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DATE MODIFIED: 12/9/2015 8:23 AM

23. All single-celled organisms are included in the general classification of prokaryotes.
    a. True
    b. False
ANSWER: False
POINTS: 1
QUESTION TYPE: True / False
HAS VARIABLES: False
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24. Eukaryotic cells are characterized by the presence of a cell nucleus.
    a. True
    b. False
ANSWER: True
POINTS: 1
QUESTION TYPE: True / False
HAS VARIABLES: False
DATE CREATED: 12/9/2015 8:23 AM
DATE MODIFIED: 12/9/2015 8:24 AM

25. The two domain system of classification included cellular and non-cellular microorganisms such as viruses and prions.
    a. True
    b. False
ANSWER: True
POINTS: 1
QUESTION TYPE: True / False
HAS VARIABLES: False

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26. Fossils of ancient archaea have been found but no longer exist in modern times.
    a. True
    b. False
ANSWER: False
POINTS: 1
QUESTION TYPE: True / False
HAS VARIABLES: False
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DATE MODIFIED: 12/9/2015 8:25 AM

27. The human immunodeficiency virus (HIV) is an example of a retrovirus.
    a. True
    b. False
ANSWER: True
POINTS: 1
QUESTION TYPE: True / False
HAS VARIABLES: False
DATE CREATED: 12/9/2015 8:26 AM
DATE MODIFIED: 12/9/2015 8:26 AM

28. Prions are live viruses called phaginae which infect bacterial cells.
    a. True
    b. False
ANSWER: False
POINTS: 1
QUESTION TYPE: True / False
HAS VARIABLES: False
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29. The taxonomic hierarchy for viruses has fewer divisions than the hierarchy for living organisms.
    a. True
    b. False
ANSWER: True
POINTS: 1
QUESTION TYPE: True / False
HAS VARIABLES: False
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30. The International Code of Nomenclature of Prokaryotes is also known commonly as the Bacteriological Code.
    a. True
    b. False

ANSWER: True
POINTS: 1
QUESTION TYPE: True / False
HAS VARIABLES: False
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