

1. Which of the following structures contains genes for enzymes and antibiotic resistance?

- A. Plasmid
- B. Pilus
- C. Capsule
- D. Plasma Membrane

2. Which of the following is the most important structure related to microbial attachment to cells?

- A. Flagellum
- B. Plasmid
- C. Peptidoglycan
- D. Glycocalyx

3. Which of the following is not a gram-negative bug?

- A. Clostridium perfringens
- B. Vibrio cholerae
- C. Escherichia coli
- D. Bordetella pertussis

4. Which of the following is not true related to endotoxins?

- A. Endotoxins are secreted from cells.
- B. Can be linked to Meningococemia
- C. Produced by gram negative microorganisms
- D. Can cause fever

5. Which of the following microorganisms stain well?

- A. Escherichia coli
- B. Legionella pneumophila
- C. Treponema
- D. Chlamydia

6. Which of the following microorganisms are not matched correctly with the appropriate isolation media?

- A. Fungi - Sabourand's agar
- B. Neisseria gonorrhoeae - Pink colonies media
- C. Haemophilus influenzae - Chocolate agar
- D. Mycobacterium tuberculosis - Lowenstein-Jensen agar

7. Which of the following diseases and bacteria are matched up incorrectly?

- A. Cellulitis - Pasteurella multocida
- B. Tularemia - Francisella tularensis
- C. Gastritis - Helicobacter pylori
- D. Lyme disease - Yersinia pestis

8. Which of the following diseases and bacteria are matched up incorrectly?

- A. *Treponema pallidum* - Syphilis
- B. *Tinea nigra* - *Cladosporium werneckii*
- C. *Borrelia burgdorferi* - Lyme disease
- D. *Yersinia enterocolitica* - Diphtheria

9. Which of the following is not true concerning *Staphylococcus aureus*?

- A. *S. aureus* is related to inflammation.
- B. *S. aureus* can cause pneumonia
- C. *S. aureus* can lead to acute bacterial endocarditis
- D. *S. aureus* does not make coagulase

10. Which of the following signs and symptoms is not linked to *Haemophilus influenzae*?

- A. Otitis media
- B. Pneumonia
- C. Malaria
- D. Epiglottitis

11. The Tsetse fly is a transmission factor for which of the following organisms?

- A. *Trichomonas vaginalis*

- B. *Trypanosoma gambiense*
- C. *Entamoeba histolytica*
- D. *Toxoplasma*

12. The Ixodes tick is a transmission factor for which of the following organisms?

- A. *Trichomonas vaginalis*
- B. *Leishmania donovani*
- C. *Babesia*
- D. *Giardia lamblia*

13. Chagas' disease is commonly treated with Nifurtimox and is linked to the ____ microorganism.

- A. *Naegleria*
- B. *Schistosoma*
- C. *Wucheria bancrofti*
- D. *Trypanosoma cruzi*

14. Which of the following is not fungal related?

- A. *Cryptococcus neoformans*
- B. *Candida albicans*
- C. *Tinea nigra*
- D. *Chlamydiae*

15. Which of the following is not a DNA virus?

- A. Adenovirus
- B. Calicivirus
- C. Papovirus
- D. Poxvirus

16. Which of the following is not a RNA virus?

- A. Reovirus
- B. Orthomyxovirus
- C. Deltavirus
- D. Herpesvirus

17. Which of the following viruses is not a double strand linear DNA virus?

- A. Poxvirus
- B. Papovavirus
- C. Adenovirus
- D. Herpesvirus

18. Which of the following viruses is not a single strand linear RNA virus?

- A. Togavirus
- B. Retrovirus

- C. Bunyavirus
- D. Picornavirus

19. The Tzanck test is not used on which of the following viruses?

- A. VZV
- B. HSV-2
- C. HHV-8
- D. HSV-1

20. Which of the following microorganisms has not been linked to UTI's?

- A. E. coli
- B. Pseudomonas
- C. Klebsiella
- D. Haemophilus

Answer Key

- 1. A
- 2. D
- 3. A
- 4. A
- 5. A
- 6. B
- 7. D

8. D

9. D

10. C

11. B

12. C

13. D

14. D

15. B

16. D

17. B

18. C

19. C

20. D