

Infectious Diseases

- 1) The various species of *Campylobacter* can cause diseases ranging from acute enteritis to bacteremia. Which of the following modes of transmission does NOT apply to *Campylobacter*?
 - a) Contact with infected animals
 - b) Contaminated food and water
 - c) Improperly cooked poultry
 - d) Aerolized droplets
 - e) Person to person spread via fecal-oral route
- 2) Which of the following is NOT a common infectious cause of acute diarrhea?
 - a) *Escherichia coli*
 - b) *Shigella*
 - c) Norwalk virus
 - d) *Vibrio cholerae*
 - e) *Helicobacter pylori*
- 3) A virus that is not inactivated by mild detergents that solubilize phospholipid membranes is:
 - a) Poliovirus
 - b) Variola virus
 - c) Cowpox virus
 - d) Vaccinia virus
- 4) All the following are true statements about viruses EXCEPT:
 - a) They are obligate intracellular parasites
 - b) They are filterable agents
 - c) They are simply organized
 - d) They are devoid of enzymes
 - e) They may contain double stranded DNA
- 5) A viral genome that does not replicate in the cytoplasm of the infected cell is:
 - a) Poliovirus
 - b) Rabies virus
 - c) Cytomegalovirus
 - d) Rubella virus
 - e) Mumps virus
- 6) *Entamoeba histolytica* is transmitted to humans by:
 - a) Ingestion of infective eggs
 - b) Ingestion of cysts
 - c) Ingestion of animal tissue that contains the larva
 - d) Penetration of the skin by infective larva
 - e) Ingestion of adult form
- 7) *Strongyloides* spp. is transmitted to humans by:
 - a) Ingestion of infective eggs
 - b) Ingestion of cysts
 - c) Ingestion of animal tissue that contains the larva
 - d) Penetration of the skin by infective larva
 - e) Ingestion of adult form
- 8) The biosynthesis of fungal ergosterol is inhibited by:
 - a) Amphotericin B
 - b) Griseofulvin
 - c) Flucytosine
 - d) Nystatin
 - e) Ketoconazole
- 9) At what CD4 count are HIV patients at increased risk of developing PCP?
 - a) CD4 count $>500 \times 10^6$
 - b) CD4 count $200-499 \times 10^6$
 - c) CD4 count $<200 \times 10^6$
 - d) CD4 count $< 500 \times 10^6$
 - e) None of the above
- 10) Which of the following is not a complication of meningitis?
 - a) Hyponatremia
 - b) Seizure
 - c) Deafness
 - d) Hydrocephalus
 - e) None of the above

11) Which of the following does not cover pseudomonas?

- a) Imipenem
- b) Tobramycin
- c) Pip-tazo
- d) Ceftazidime
- e) Ceftriaxone

12) Which of the following ways is TB least likely to present?

- a) Hepatitis
- b) Meningitis
- c) Osteomyelitis
- d) Septic arthritis
- e) Peritonitis

ANSWERS

1. D
2. E
3. A

4. D
5. C
6. B

7. D
8. E

9. C
10. E

11. E
12. D