

Sample Exam Questions ISC 2937

Scientific Aspects

1) Which of the following infectious agents is capable of growth on medium in a petri dish.

- A. Bacteria
- B. Virus
- C. Prion

2) Describe the differences between the multiplication of a bacterium and a virus.

3) Name one bacterial disease and one viral disease. Describe the symptoms of each. For which type of disease can you use treatment? Prevention?

4) Coconut cadang-cadang disease and Mad-cow disease are devastating to their hosts. Describe the difference between the infectious agents of these diseases. Which of the two is more likely to affect man?

5) What disease has been eradicated from the world? Which disease has almost been eradicated? Why were these two diseases targets for eradication?

6) Name two features of a bacterial cell that make it susceptible to antibiotics.

7) Who were the 19th century scientists that developed the germ theory of disease? What is the germ theory of disease? How would you demonstrate that a "germ" is the specific agent of disease?

8) Matching---use the old crossing lines.

<u>Disease</u>	<u>Agent</u>
Black Plague	<i>Yersinia pestis</i>
Anthrax	<i>Bacillus anthracis</i>
Mad-cow disease	prion protein
Smallpox	Variola virus
Aids	HIV-1
Hemorrhagic fever	Ebola, Marburg, Lassa Fever