You should be able to find the information necessary to answer these questions in Tortora, Funke, and Case, or in lecture. However, for a fuller understanding of the concept, or to add more detail to your answer you are encouraged to use other sources (see on-line resources by chapter)

What is septicemia? Describe how infections by (a) Gram negative bacteria and (b) Gram positive bacteria can result in septic shock. How can the use of antibiotics contribute to septic shock?

What is endocarditis? Which organism is responsible for endocarditis? Describe how an endocarditis infection occurs.

What is the etiologic agent of tularemia? Describe the transmission of tularemia, and discuss the different mortality rates in relation to the portal of entry. Tularemia is one disease that has been of interest for the development (or defense against) biological weapons. Which form of the disease would make the most potent biological weapon?
What is the etiologic agent of anthrax? Describe the transmission of anthrax, and discuss the different mortality rates in relation to the portal of entry. Anthrax is one disease that has been of interest for the development (or defense against) biological weapons. Which form of the disease would make the most potent biological weapon?

Which organism is responsible for gas gangrene? What is the reservoir of infection? Describe the necessary conditions for the development of gangrene. Describe the pathogenicity of gangrene. What are the treatment options for a gangrene infection?

What is the etiologic agent of plague? Identify both the reservoir and the vector involved in transmission to humans. Discuss the different mortality rates in relation to the portal of entry. Describe the signs and symptoms of plague.

What is the etiologic agent of Lyme disease? Identify both the reservoir(s) and the vector involved in transmission to humans. Describe the transmission of Lyme disease. What are the signs and symptoms of Lyme disease?
Name and describe two diseases caused by bacteria of the genus Rickettsia. For each describe the vectors and the species.

Describe the epidemiology of Dengue.

What is the etiologic agent of infectious mononucleosis? Describe the transmission pathways, and discuss the significance in the age of first exposure in the severity of the disease.
What is the etiologic agent of toxoplasmosis? Which type of organism is it? Discuss the transmission pathways of toxoplasmosis. Why is owning a cat considered a risk during pregnancy?

Name and describe five microorganisms that can cross the placenta during pregnancy.

Name and describe five viral hemorrhagic fevers.