Teaching unit 13 – Questions

1. What are the main mechanisms of innate immunity against extracellular bacteria?
2. Describe the role of CD4⁺ Th17 lymphocytes in the response to bacterial and fungal infections.
3. List the immune evasion mechanisms used by extracellular bacteria.
4. How does the immune system respond to intracellular bacteria, and what is the role of the Th1 response?
5. What are the key differences in the immune response to fungi compared to bacteria?
6. What are the main mechanisms of innate and adaptive immunity in defense against viruses?
7. How do parasites evade the host immune response, and why are parasitic infections often chronic?
8. What is the current definition of sepsis according to the Sepsis-3 classification (2016)?
9. What are the main diagnostic criteria for septic shock?
10. Explain the difference between the terms: bacteremia, septicemia, and sepsis.
11. What is the qSOFA score, and how is it used in clinical practice?
12. What are the most common clinical manifestations in patients suspected of having sepsis?
13. What is a cytokine storm, and what is its role in the pathophysiology of sepsis?
14. What are the essential steps in the initial treatment of sepsis according to the Surviving Sepsis Campaign protocols?