The Immune system

1) Describe the process of phagocytosis? (4)
2) What are the functions of antibodies? (6)
3) What are the differences between cell mediated and humoral immunity? (3)
4) What are monoclonal antibodies and why are they important? (3)
5) What is the ELISA test? (2)
6) Explain the non-specific immune response? (3)
7) Draw and describe the structure of an antibody molecule? (4)
8) Describe the roles of the following cells (5);
    a. T helper cell
    b. B lymphocyte
    c. T killer (cytotoxic T) cells
    d. Memory cells
    e. Plasma cells
9) What is herd immunity? (2)
10) Describe the principles of and benefits of vaccination? (3)
11) Describe the following types of immunity (4);
    a. Active
    b. Passive
    c. Artificial
    d. Natural
12) Give 3 examples of physical barriers which prevent an infection? (3)
13) What is the primary and secondary immune response? (2) Why is the secondary immune response stronger and faster? (2)

14) Describe the structure of HIV and how it causes AIDS? (4)

15) How is HIV treated? (2)

16) Explain why a new flu vaccine is needed annually? (2)

17) What is the MMR vaccine? What problem was it incorrectly associated with? (2)

18) What are cytokines and why are they necessary? (2)

19) Explain the interaction between the B and T lymphocytes and the APC? (4)

20) Why is no memory developed against viral infections? (2)

21) What is MRSA and Clostridium difficile? Why are they important? (2)

22) Why should antibiotics not be prescribed for viral infections? (2)

Total: **/68**