**MICROBIOLOGY AND IMMUNOLOGY REVISION QUESTIONS**

1. What did the following individuals/scientists discover? (2 marks each)
2. Louis Pasteur
3. Robert Koch
4. Joseph Lister
5. Anton Van Leeuwenhoek
6. Edward Jenner
7. What are the characteristics of the following:
8. Prokaryotic cell (3 marks)
9. Eukaryotic cell (3 marks)
10. List down organisms belonging to a prokaryotic cell group and eukaryotic cell group? (5 marks)
11. Write down the characteristics or properties of the following organisms: (5 marks each)
12. Bacteria
13. Viruses
14. Fungi
15. Protozoa
16. Rickettsia
17. Mycoplasma
18. Spirochetes
19. List down the importance of normal flora in our bodies? (5 marks)
20. Discuss the importance of microbes. (10 marks)
21. What is the difference between gram positive and gram negative bacteria? (4 marks)
22. List down examples of gram positive and gram negative bacteria. (6 marks)
23. Some of the harmful effects of microbes is to cause diseases, list down examples of these microbes and the diseases they cause. (10 marks)
24. Discuss the classification of:
25. Bacteria (10 marks)
26. Fungi (8 marks)
27. Viruses (5 marks)
28. Protozoa (5 marks)
29. Define portal of entry and give examples (5 marks)
30. Discuss the mechanisms of transmission of disease (10 marks)
31. Define the following terms: (1 mark each)
32. Carrier
33. Reservoir
34. Epidemic
35. Host
36. Epidemiology
37. Infection
38. Diseases
39. Nosocomial infections
40. List down examples of nosocomial infections (5 marks)
41. Briefly explain ways of preventing nosocomial infections (5 marks)
42. Discuss the phases of an infectious disease (5 marks)
43. Write down the two examples of nonspecific immunity (2 marks)
44. Discuss the following:
45. First line of defense (10 marks)
46. Second line of defense (10 marks)
47. What is the difference between: (5 marks each)
48. Nonspecific immunity and specific immunity
49. Cell mediated immunity and humoral mediated immunity
50. Naturally acquired active immunity and naturally acquired passive immunity
51. Primary response and secondary response
52. Draw a well labelled diagram of a prokaryotic cell and explain the functions of each part of the cell (15 marks)
53. Draw a well labelled diagram of a eukaryotic cell and explain the functions of each part of the cell (20 marks)