

SECTION A- ANSWER ALL QUESTIONS (30 MARKS)

1. Outline 3 classification of viruses (3 marks)
2. Identify any six organelles found in eukaryotic cells (3 marks)
3. Highlight the ecological relationships that exist in microorganisms (3 marks)
4. Differentiate between Eukaryotes and Prokaryotes (4 marks)
5. Distinguish anabolism and catabolism (4 marks)
6. State and explain any 2 conditions favouring the survival of microorganisms (4marks)
7. Enumerate any 4 micronutrients used by microbial cells for growth (4 marks)
8. Highlight any 5 organisms affected by temperature (5 marks)

SECTION B- ANSWER ANY TWO QUESTIONS FROM THIS SECTION (40 MARKS)

9. Discuss the characteristics of a microbial cell (15 marks)
10. Describe with examples the classification of bacteria (15 marks)
11. With a clear illustration, describe the process of growth of microorganisms (15 marks)
12. Discuss the various areas microorganisms are applied positively by humans(15 marks)