



Shree H. N. Shukla College of Science, Rajkot
B.Sc. (Sem. II) Semester 2
MB [201]: MICROBIOLOGY
Question bank -2018-19

A. Short answer Question 1 mark each

1. Define reducing sugar
2. Define Carbohydrates
3. What is Enzymes
4. Define Prosthetic group
5. Define reducing sugar
6. Enlist essential fatty acids
7. Define nucleotides
8. Enlist aromatic amino acids
9. Define allosteric enzymes
10. Define operon
11. Define denaturation of enzymes
12. Define Co-enzymes
13. Define sterilization
14. Define antiseptic
15. Define bacteriosides
16. Define Germicide
17. What is chemotherapeutic agents
18. What chemotherapy
19. What is antibiotics
20. What is narrow spectrum antibiotics
21. Write any two applications of antiseptics.
22. Example of Bacteriostatic and Bactericidal
23. Enlist four examples of cofactor
24. Example of non-reducing sugar

B. Answer in brief 2&3 marks each

1. Explain EC 2.7.1.1
2. Define Bacteriostatic and Bactericidal
3. Write a short note on physical properties of enzymes.
4. Short note on classification of carbohydrates.
5. Define isomers and epimers
6. Define germicides with example
7. Short note on Disaccharides?

8. Short note on chemical properties of enzymes
9. What is broad spectrum antibiotic
10. Define desiccation
11. Write a note on temperature used as microbial control
12. Write a note on phenol coefficient methods for the evaluation of chemicals
13. Define antifungal and vaccine
14. Write down the name of broad spectrum antibiotics
15. Short note on chemotherapy
16. Write a note on mode of action of chloramphenicol
17. Define ribozymes
18. Define tautomerization
19. Short note on classification of carbohydrates
20. Short note on classification of lipid
21. Define transfarase
22. Explain EC 3.1.3.1
23. Short note on reversible regulation of enzymes
24. Short note on enzyme activity

C. Write in detail. 5 marks each

1. Explain detail note on Homo-polysaccharides and Hetero-Polysaccharides?
2. Short note on Mechanism of enzyme activity.
3. Write biological functions of carbohydrates with examples.
4. Explain classification of enzymes.
5. Write detail note on Polysaccharides
6. Explain DNA double helix structure
7. Short note on enzyme inhibition
8. Short note on classification of enzymes
9. Write notes on physical agents for microbial controls
10. Write a note on chemicals agents for microbial controls
11. Describe penicillin mode of action
12. Construction of Phylogenetic tree using computer