DKM COLLEGE FOR WOMEN (AUTONOMOUS),VELLORE

DEPARTMENT OF FOODS AND NUTRITION

MICROBIOLOGY

CLASS: I BSC

UNIT – I SECTION-A 2 Marks

1. What is prokaryotic and eukaryotic ?
2. Diagramatic picture of Cell structure and explain in two lines

SECTION-B 5 Marks

1. Classification of microorganism – prokaryotic and eukaryotic
2. Explain cell structure with a neat diagrams:

SECTION-C 10 Marks

1. Classification of microorganism – prokaryotic and eukaryotic and its cell structure

UNIT – II SECTION-A 2 Marks

1. Structure of bacteria cell
2. Morphology of bacteria – any two
3. Nutrient reproduction
4. Morphology of viruses
5. Classification of phages
6. Life cycle of viruses
7. Morphology of yeast – any two
8. Cell structure of yeast
9. What is Budding reproduction
10. Morphology of moulds – any two
11. Classification of moulds
12. Reproduction mode of moulds
13. Morphology of algae – any two
14. Classification and structure of algae
15. Reproduction of algae

SECTION-B 5 Marks

1. What is carbon cycle, water test for sanitary quality
2. Role of E.coli and enterococci
3. Significant and control of contamination of food
4. Write about sulphur cycle, phosphorus cycle

SECTION-C 10 Marks

1. Morphology, classification and reproduction mode of yeast, virus and bacteria
2. Classification and reproduction mode of moulds and algae

UNIT – III SECTION-A 2 Marks

1. Different sources of contamination of any two

SECTION-B 5 Marks

1. Classification of microorganism – prokaryotic and eukaryotic
2. Explain cell structure with a neat diagram
3. What is carbon cycle, water test for sanitary quality
4. Role of E.coli and enterococci
5. Significant and control of contamination of food
6. Write about sulphur cycle, phosphorus cycle

SECTION-C 10 Marks

1. Explain contamination of food by soil, nitrogen cycle, nitrification, denitrifaction, disinfection, sewage and its significant and its control
2. Role E.coli, Enterococci, purification of water, disinfection and sewage contamination

UNIT – IV SECTION-A 2 Marks

1. What is Aerobic and Anaerobic Respiration
2. Production or fermentation of microorganism
3. Which microorganism part played in putrefaction

SECTION-A 5 Marks

1. Fermentation – aerobic respiration and anaerobic respiration

2. Production or fermentation of microorganism
3. Mention microorganism in putrefaction and decay

SECTION-B 10 Marks

1. Aerobic and anaerobic respiration, production or fermentation of microorganism
2. Part played by micro organism in putrefaction and decay

UNIT – V SECTION-A 2 Marks

1. Mention the food poisoning with clostridium botulinum and staphylococci salmonella
2. Measure to prevent microbial food poisoning – any two

SECTION-B 5 Marks

1. Role of staphylococci salmnonellea and clostridium botulinum
2. Measure to prevent microbial food poisoning

SECTION-C 10 Marks

1. Microbiology of food poisoning – staphylococci salmonellae, clostridium botulinum and measure to prevent microbial food poisoning.