4. Write note on :

(a) Classification of plant viruses 5

(b) Actinomycetes 5

5. (a) How plant viruses replicates? 5

(b) Describe the characteristic features of Rickettsia. 5

Or

6. (a) Explain conjugation process in Bacteria. 5

(b) Describe characteristic features of host virus interaction. 5

7. Write note on :

(a) Bergey's classification of bacteria 5

(b) Microbial production of citric acid 5

Or

8. Write note on :

(a) Tobacco Mosaic Virus (TMV) 5

(b) Microbial Role in Food Processing 5

9. (a) How microbes spoil milk and its products? 5

(b) Describe the different biofertilizers. List their advantages. 5

Or

10. (a) Explain the role of microbes in Carbon cycle. 5

(b) What are mycorrhizae? State their functions. 5

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UG (CBCS) EVEN SEMESTER EXAMINATION, 2024

EDUCATION

(B.Sc. B.Ed.)

6th Semester

Course No. : BSBH – 601

(Microbiology)

Full Marks : 50

Pass Marks : 20

Time : 2 hours

The figures in the margin indicate full marks for the questions

(*Answer five questions*)

1. (a) Explain characteristic features of Eukaryotic micro organisms. 5

(b) Explain with the help of a neat diagram how microbial growth can be estimated? 5

Or

2. (a) Describe chemical methods to control microbs. 5

(b) What is meant by prokaryotic microorganisms? How can you differentiate it from eukaryotic microorganisms? 2+3=5

3. Write note on :

(a) Bacterial growth curve 5

(b) Methods for staining of microbes. 5

Or