

2021

Microbiology

[HONOURS]

(CBCS)

(B.Sc. First Semester End Examinations-2021)

PAPER-C1T

Full Marks: 40

Time: 02 Hrs

The figures in the right hand margin indicate marks

Candidates are required to give their answers in their own words as far as practicable

Illustrate the answers wherever necessary

Group-A

Answer any five from the following:

5x2= 10

1. Write the time of Golden era of microbiology.
2. Write two character of Giardia SP.
3. Write down the contributions of Beijerinck in microbiology.
4. Why virus is named as acellular microbes?
5. Differentiate fungi and bacteria.
6. What is Fimbriae?
7. Write down the general characteristics of protozoa.
8. What is dimorphic fungi?

(2)

Group-B

Answer any four from the following: 4x5 = 20

1. Write down the relationship between fermentation and germ theory of disease. 5
2. Name two human disease caused by prion. Write the thallus organization of fungi. 2+3
3. Write down the limitations of three kingdom and five kingdom system. 2+3
4. Why is 16SrRNA more important for bacterial taxonomy? 5
5. Describe the life cycle of P. Vivax in human being. 5
6. Explain briefly the structure and functions of bacterial cell wall. 5

Group -C

Answer any one of the following : 10x1 = 10

- 1) Briefly describe the different life cycles of algae. Write down the positive impacts of fungi. 5+5
- 2) Discuss the contribution of Louis Pasteur, Elie Metchnikoff, Edward Jenner and Paul Ehrlich in Microbiology.
