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RNLKWC/B.A.-CBCS/VS/MB/H/DSE1T/21

2021

Microbiology

[HONOURS]

(CBCS)

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

PAPER-DSE1T

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. What is microbial technology? 2
2. Write the limitation of biofertilizer. 2
3. Why do mycorrhizal act as a biofertilizer. 2
4. What is bioremediation? 2
5. Write the importance of cocca butter substitute. 2
6. Give some examples of biopolymer. 2
7. Name the microbial pesticide and one plant pesticides. 1+1
8. Name two non biodegradable pollutants. 1+1

(2)

Group-B

Answer any four from the following: **4x5 = 20**

1. Briefly describe the different method for the immobilization of enzyme . 5
2. Write the advantage an disadvantage of biofuel. 5
3. Schematically represent the formation of High fructose syrap. 5
4. Write the basic principle of biosensor and its applications. 5
5. What is biogas? Briefly describe the different biochemical reactions occur during biogas production. 1+4
6. Schematically describe the procedure of production of recombinant insulin. 5

Group -C

Answer any one of the following : **10x1 = 10**

- 1) Write the process to formation of RNAi. Write down the applications of RNAi. How biofuel is obtaining from algae. 4+3+3
- 2) Write the several methods removal of heavy metals from environment by microbes. Write the basic technique of microbial transformation of steroid and steroil. 5+5.
