



OEMB111

Reg. No.

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I Semester B.Sc. Degree Examination, May/June - 2022

MICROBIOLOGY (OE)

Microorganisms for Human Welfare

(NEP CBCS Semester Scheme Freshers)

Paper : I

Time : 2½ Hours

Maximum Marks : 60

Instructions to Candidates:

Answer all the sections.

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Jayanagar IV Block
Bangalore-560 011

SECTION - A

I. Answer any Four of the following.

(4×2=8)

1. What are symbiotics? Give one example.
2. What are nutraceuticals?
3. Uses of AM fungi.
4. Name any two edible mushrooms.
5. What are antibiotics? Give example.
6. What are vaccines? Give example.

SECTION - B

II. Answer any Four of the following.

(4×5=20)

7. a) What are probiotics?
b) Write a note on health benefits of probiotics. **(2+3)**
8. What are alcoholic and non alcoholic beverages. Give two examples each. **(5)**
9. a) How is biogas produced?
b) What are the advantages of biogas? **(3+2)**

[P.T.O.]



(2)

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10. a) Write a note on any one type of biopesticide. (3+2)
b) Add a note on its application. (5)
11. Define Drugs. Write any three types of Drugs in pharmacology with example. (5)
12. Give a brief account on antibiotic therapy. (5)

SECTION - C

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III. Answer any Four of the following. (4×8=32)

13. a) What are fermented dairy products and what are their benefits?
b) What happens to milk during fermentation?
c) Name any two fermented dairy products. (3+3+2)
14. a) What are fermented foods?
b) Name any three micro organisms involved in fermentation of food.
c) What are the health benefits of fermented foods? (2+3+3)
15. a) What are biofertilizers? What are their main sources?
b) Name any two nitrogen fixing organisms used as biofertilizers.
c) Why biofertilizers are better than chemical fertilizers? (3+2+3)
16. a) Briefly explain the steps involved in Mushroom cultivation.
b) Mention the nutritional values of Mushrooms. (5+3)
17. a) Classify antibiotics. Give one example each.
b) Write a note on different methods of administering antibiotics.
c) Mention few side effects of antibiotics. (4+2+2)
18. a) Give an account on any two types of vaccines.
b) Write a note on their functions.
c) Name any two vaccines administered to prevent covid - 19. (4+2+2)