

15. (a) Assess the biodegradation of pesticides.

Or

(b) Summarize the production of penicillin.

PART C — (5 × 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b).
Each answer should not exceed 600 words.

16. (a) Enumerate the Bergy's manual of systematic classification of bacteria.

Or

(b) Enumerate the 16s rRNA sequencing techniques.

17. (a) Explain the principles and application of Lyophilizer.

Or

(b) Classify the various culture techniques of bacteria.

18. (a) Determine the causatives and symptoms of sexually transmitted disease syphilis.

Or

(b) Explain the causatives, symptoms and control measures of Leprosy.

19. (a) Explain in detail about meat spoilage and its preservation.

Or

(b) Analyze the role of biofertilizer in agriculture.

20. (a) Justify bioplastics is an eco-friendly biodegradable products.

Or

(b) Distinguish the *In situ* bioremediation from *Ex situ* bioremediation.

Page 5

Code No. : 7454

Page 6

Code No. : 7454