

S.No. 5084

16 SNMEBT 1

(For candidates admitted from 2016–2017 onwards)

U.G. DEGREE EXAMINATION, APRIL 2022.

Part IV — Biotechnology – Non-Major Elective

BIOTECHNOLOGY FOR HUMAN WELFARE

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20)

Answer ALL questions.

1. Crop Improvement
2. Humus
3. Probiotics
4. PCR
5. Serological testing
6. RAPD
7. Sources of Solid waste
8. Toxoid

9. Municipal waste
10. Clinical diagnosis.

PART B — ($5 \times 5 = 25$)

Answer ALL questions, choosing either (a) or (b).

11. (a) What is Organic farming? Give example.

Or

- (b) Define integrated farming.

12. (a) Give a brief note on microbes as food.

Or

- (b) Write short note on fermented foods.

13. (a) Explain microscopy in clinical diagnosis.

Or

- (b) Compare RAPD and RFLP.

14. (a) What is the significance of biotechnology in treatment of disease?

Or

- (b) Describe specific therapy.

15. (a) Explain any two types of waste management.

Or

- (b) Explain biodegradation

PART C — ($3 \times 10 = 30$)

Answer any THREE questions.

16. Explain about Vermiculture and its importance in Agriculture Biotechnology.

17. How algae are employed in food industry and explain the production of SCP?

18. What are the significant roles of RT-PCR in clinical diagnosis?

19. Elaborate the symptomatic therapy and specific therapy.

20. Explain in detail about bioremediation and bioleaching.