



P. Pages : 1

Time : Three Hours



* 1 1 3 5 *

AW - 2261

Max. Marks : 80

- Notes :
1. All question carry equal marks.
 2. Answer **any eight** question.
 3. Illustrate your answer necessary with the help of neat sketches.
 4. Use of pen Blue/Black ink/refill only for writing the answer book.

1. Discuss nutrition, cultivation and isolation of bacteria. **10**
2. Explain purification of bacterial culture. **10**
3. Give transmission and prevention of bacterial disease. **10**
4. Write about **10**
 - a) Cholera
 - b) AIDS
5. Describe types of spoilage and factors affecting microbial spoilage. **10**
6. Discuss various physical and chemical methods for disinfection. **10**
7. Which are the different methods of sterilization. **10**
8. Discuss types of immunity. Add a note on antigen. **10**
9. Which are the different methods of prevention of contamination. Add a note on laminar flow equipment. **10**
10. Write short notes on **any two**. **10**
 - a) types of antigen – antibody reactions.
 - b) staining techniques
 - c) viruses.
