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Total No. of Pages : 02

Total No. of Questions : 22

B.Pharma (2017 & Onward) (Sem.-3)
PHARMACEUTICAL MICROBIOLOGY

Subject Code : BP-303T

M.Code : 75107

Time : 3 Hrs.

Max. Marks : 75

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.
3. SECTION-C contains NINE questions carrying FIVE marks each and students have to attempt any SEVEN questions.

SECTION-A

Define briefly :

1. Prokaryotes
2. Oxidase test
3. Viable cell count
4. Pharmaceutical microbiology
5. Horizontal laminar air flow unit
6. Classification of bacteria
7. Aseptic area
8. EMEM media
9. Microbiological assay
10. Gases used for sterilization





SECTION-B

11. Write notes on :
 - a) Importance of preservation of pure cultures
 - b) Gram staining
12. Describe in detail the methods employed for evaluation of disinfectants.
13. How will you carry out microbiological assay as per IP?

SECTION-C

14. Classify bacteria on the basis of their nutritional requirements.
15. Describe filtration as a method of sterilization.
16. Write a note on sterility indicators.
17. Write a note on various sources of contamination.
18. What is Microbial Spoilage? Discuss the various factors affecting spoilage.
19. Write a note on transformed cell lines.
20. Write a note on construction and classification of clean room area.
21. Describe the principle and working of phase contrast microscopy.
22. Write a note on IMViC.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

