

Roll No.

U - 4673

B. Pharmacy (Third Semester)
EXAMINATION, Dec., 2018

BP - 303 T

P'CEUTICAL MICROBIOLOGY

Time : Three Hours

Maximum Marks : 75

Note- Attempt any five questions. All questions carry equal marks.

1. (a) Give the ultra structure and morphological classification of bacteria. 10
(b) Explain isolation and preservative methods for pure culture. 5
2. (a) Write identification method of bacteria. 7½
(b) Define and briefly discuss about sterility indicators. 7½
3. (a) Give the classification and mechanisms of action of disinfectants. 7½

P.T.O.

(b) How can be evaluated bactericidal and bacteriostatic give explanatory note ? $7\frac{1}{2}$

4. (a) Write different sources of contamination in an aseptic area with methods of prevention. $7\frac{1}{2}$

(b) Write short note on laminar air flow. $7\frac{1}{2}$

5. (a) Explain testing of ophthalmic products according to B.P. and J.P. $7\frac{1}{2}$

(b) Give the methods for standardization of Vitamins. $7\frac{1}{2}$

6. What is the uses of cell culture in pharmaceutical industry and research ? 15

7. Write short notes on any three- 5+5+5

(a) Dark field microscopy

(b) Difference between prokaryotes and eukaryotes

(c) Microbiological assay

(d) Morphology of viruses

(e) Type of spoilage.