

B.Pharm. Third Semester (New)
Pharmaceutical Microbiology
BP 303 T

P. Pages : 2

Time : Three Hours



AV - 2378

Max. Marks : 75

- Notes :
1. Answer **all**.
 2. Illustrate your answer necessary with the help of neat sketches.
 3. Use of pen Blue/Black ink/refill only for writing the answer book.

1. a) Solve following MCQ.

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- i) Paraffin oil can be sterilized by :
 - a) Dry Air Sterilization
 - b) Moist Heat Sterilization
 - c) Lyophilization
 - d) Filtration
- ii) Microorganism, which Grow in Presence of oxygen are called :
 - a) Aerobic
 - b) Anaerobic
 - c) Microscopic
 - d) Acid-Fast
- iii) Study of viruses is known as
 - a) Mycology
 - b) Virology
 - c) Bacteriology
 - d) Antomology
- iv) Microorganism have diameter usually :
 - a) Greater than 1 mm
 - b) Less than 0.1 mm
 - c) Less than 1 mm
 - d) Greater than 0.1 mm
- v) Penicillin was discovered by:
 - a) R. Koch
 - b) Landsteiner
 - c) Fleming
 - d) E-Jenner
- vi) Agar as a solidifying Agent was first time used by:
 - a) L. Pasteur
 - b) Fleming
 - c) R. Koch
 - d) Leeuwenhoek
- vii) Microbial limit of Aluminum Hydroxide gel for total viable count is less than :
 - a) 10/ml
 - b) 100/ml
 - c) 500/ml
 - d) 1000/ml
- viii) Glycerol may be used as preservative upto Percentage of :
 - a) 15%
 - b) 50%
 - c) 10%
 - d) 1%
- xi) Efficiency of HEPA filtered air is measured by :
 - a) 99.97
 - b) 88.87
 - c) 90.97
 - d) 98.97
- x) The velocity of HEPA Filtered air is measured by :
 - a) Galvanometer
 - b) Spectrometer
 - c) Velometer
 - d) Turbidimeter

b) Answer the following questions in one sentence.

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- i) What is sterilization?
- ii) Define microbiology.
- iii) Define Prokaryotes.
- iv) What is Antibiotic?
- v) What is Mean by sterility Testing?

2. Answer following questions **any two**.

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- i) Write the structural components of Bacterial cell along with their functions.
- ii) What is sterilization? Explain in detail the various chemical methods of sterilization?
- iii) Describe the factors influencing disinfection, antiseptics and their evaluation.

3. Answer following questions solve **any seven**.

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- i) Explain laminar air flow.
- ii) Write assay of Antibiotics.
- iii) Give flow diagram of Aseptic area.
- iv) Write on microbial limit test.
- v) Give the evaluation of bactericidal.
- vi) How assessment of microbial spoilage carried out?
- vii) Give the application of cell culture in pharmacy.
- viii) Write on classification of microorganisms.
- ix) Write a note on Freeze drier.
