

35383 : Pharmaceutical Microbiology : BP 303 T

P. Pages : 2

Time : Three Hours



AW - 2346

Max. Marks : 75

- Notes :
1. Answer All questions.
 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. Solve all MCQ.

20

- Microorganism which grow in absence of oxygen are called:
 - a) Aerobic
 - b) Microscopic
 - c) Anaerobic
 - d) None of the above
- Paraffin oil can be sterilized by :
 - a) Hot air oven
 - b) Autoclaving
 - c) Filtration
 - d) Disinfection
- Best autoclaving is achieved at
 - a) 121°C for 15 minutes
 - b) 120°C for 1 hr
 - c) 110°C for 2 hr
 - d) 110°C for 3 hr
- Process of killing microorganism including spore is:
 - a) Disinfection
 - b) Sanitization
 - c) Sterilization
 - d) Filtration
- Acid-Fast staining is also known as:
 - a) Negative staining
 - b) AFB staining
 - c) Ziel-Neelsen staining
 - d) Both b & c
- The purpose of staining is to demonstrate:
 - a) Cell size
 - b) Cell shape
 - c) Arrangement of Bacterial Cell
 - d) All the above
- Backbone of cell wall in Prokaryotes is:
 - a) Lipopolysaccharides
 - b) Polypeptide
 - c) Murein
 - d) Protein
- Which is the following smallest Bacterium :
 - a) N. Gonorrhoeae
 - b) M. Tuberculosis
 - c) MycoPlasma
 - d) Vibrio Cholerae
- Study of Fungi is known as:
 - a) Mycology
 - b) Parasitology
 - c) Virology
 - d) Bacteriology
- The process of sterilization is used in dairy industry is:
 - a) Pasteurization
 - b) Tyndallization
 - c) Fermentation
 - d) Segregation
- Alcohol concentration above ----- are effective against viruses.
 - a) 60%
 - b) 70%
 - c) 90%
 - d) 80%

- xii) _____ is a good disinfectant in aqueous or Alcoholic solution.
- Alcohol
 - Halogen
 - Iodine
 - Dyes
- xiii) Fungi are define as :
- Non-motile Eukaryotic organism
 - Motile Prokaryotic Organism
 - None-Motile Prokaryotic Organism
 - Autotrophs
- xiv) Reserve food material of Fungi is:
- Starch
 - Protein
 - Glucose
 - Glycogen
- xv) Which chemical is widely used for Disinfection of Dairy equipment's?
- $\text{Ca}(\text{OCI}_2)$ and NaOCl
 - Agan and H_3PO_2
 - NaOH and Febr
 - All the Above
- xvi) The presence of which Acid in Bacterial spore make it more Resistance to Disinfection
- Nucleic Acid
 - Pitoic Acid
 - Dipicolinic Acid
 - None of these
- xvii) Which ion destroys the Amino Acid bond in Nucleic Acid and Precipitate proteins?
- Oh
 - CO_3
 - NO_2
 - H
- xviii) Why strong Acid and Alkalies are not useful?
- Corrosive
 - Non-corrosive
 - Metal
 - Non-metal
- xix) Sugar concentration in laboratory media of Fungi are.
- 1 to 2%
 - 2 to 3%
 - 4 to 5%
 - 14 to 15%
- xx) Process of killing of microorganism Including Spore is:
- Disinfection
 - Sanitization
 - Sterilization
 - Filtration

2. Long Answer questions solve any two.

20

- Write in detail about the construction & design of an Aseptic room.
- What is sterilization? Explain in detail the various physical methods of sterilization
- Explain morphology, classification and cultivation of viruses in laboratory.

3. Short Answer question solve any seven questions.

35

- Write the nutritional requirement for the growth of Bacteria
- Explain scope and Application of P'ceutical microbiology.
- Write about Acid-Fast staining of Bacteria.
- Write the classification of Fungi.
- Discuss the methods of sterility testing.
- How Inoculum is prepared for Assay of Antibiotic.
- Write about method of Reproduction of fungi
- Write about the lyophilization technique.
