



- 11) Chorio allantoic membrane is use for Harvesting -----
  - a) Yellow fever
  - b) Rickettsiae
  - c) Rabies
  - d) Herpes simplex
- 12) Most important surface active disinfectants are -----
  - a) Anionic
  - b) Cationic
  - c) Non-ionic
  - d) Amphoteric
- 13) Phenol coefficient indicates the ----- of a disinfectant.
  - a) Quantity
  - b) Purity
  - c) Activity
  - d) Efficiency
- 14) Incubation temperature range use for the growth of Bacteria in a sterility test as per I. P. is -----
  - a) 20-25°C
  - b) 25-30°C
  - c) 30-35°C
  - d) 35-40°C
- 15) DOP test is use for validation of ----
  - a) Membrane filter
  - b) HEPA filter
  - c) Aseptic Room
  - d) Autoclave
- 16) Staphylococcus aureus is used for IP assay of -----
  - a) Bleomycin
  - b) Carbenicillin
  - c) Doxycycline
  - d) Kanamycin
- 17) Microbial limit of aluminium Hydroxide gel for total viable count is less than -----
  - a) 10/ml
  - b) 100/ml
  - c) 500/ml
  - d) 1000/ml
- 18) Glycerol may be used as a preservative up to a percentage of -----
  - a) 15
  - b) 50
  - c) 10
  - d) 01
- 19) Wilmut and co-workers successfully produce a transgenic sheep named -----
  - a) Polly
  - b) Dolly
  - c) Tally
  - d) Sally
- 20) Salmonella typhi shows ----- arrangement of flagella.
  - a) Amphitrichous
  - b) Peritrichous
  - c) Monotrichous
  - d) Atrichous

**2. Long answer questions (solve any two)**

**2x10  
=20**

- 1) Explain in detail different methods used for evaluation of Disinfectants.
- 2) Define & classify sterilization and explain radiation sterilization & filtration sterilization.
- 3) Write in detail different methods used for isolation and preservation of culture.

**3. Short answer questions. (solve **any seven**)**

**5x7  
=35**

- 1) Write a note on sterility Indicators.
- 2) Draw a well labeled diagram of bacteria and write functions of various parts.
- 3) Write a note on growth cycle of Bacteria.
- 4) Write short note on fungi.
- 5) Note on gram staining & acid fast staining.
- 6) Write a note on cultivation of viruses
- 7) Write in short about source of contamination and prevention in aseptic Area.
- 8) Write method of assessment of New antibiotics.
- 9) Write factors affecting preservative efficiency in preservation of Pharmaceutical products.

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