

Online Examinations (Even Sem/Part-I/Part-II Examinations 2020 - 2021)

Course Name - –Microbial Quality Control in Food and Pharmaceutical Industries

Course Code - BMBS401A

* You can submit the form ONLY ONCE.

* Fill the following information for further process.

* Required

1. Email *

2. Name of the Student *

3. Enter Full Student Code *

4. Enter Roll No *

5. Enter Registration No *

6. Enter Course Code *

7. Enter Course Name *

8. *

Mark only one oval.

- Diploma in Pharmacy
- Bachelor of Pharmacy
- B.TECH.(CSE)
- B.TECH.(ECE)
- BCA
- B.SC.(CS)
- B.SC.(BT)
- B.SC.(ANCS)
- B.SC.(HN)
- B.Sc.(MM)
- B.A.(MW)
- BBA
- [B.COM](#)
- B.A.(JMC)
- BBA(HM)
- BBA(LLB)
- B.OPTOMETRY
- B.SC.(MB)
- B.SC.(MLT)
- B.SC.(MRIT)
- B.SC.(PA)
- LLB
- [B.SC\(IT\)-AI](#)
- B.SC.(MSJ)
- Bachelor of Physiotherapy
- B.SC.(AM)
- Dip.CSE
- Dip.ECE
- [DIP.EE](#)
- DIP.CE

- [DIP.ME](#)
- PGDHM
- MBA
- M.SC.(BT)
- M.TECH(CSE)
- LLM
- M.A.(JMC)
- M.A.(ENG)
- M.SC.(MATH)
- M.SC.(MB)
- MCA
- M.SC.(MSJ)
- M.SC.(AM)
- M.SC.CS)
- M.SC.(ANCS)
- M.SC.(MM)
- B.A.(Eng)

Answer all the questions. Each question carry one mark.

9. 1. Which of the following process does not kill microbial spores?

Mark only one oval.

- UV radiation
- Incineration
- Disinfection
- Autoclaving

10. 2. Autoclaves are used in the medical applications to perform

Mark only one oval.

- Vulcanization
- Sterilization
- Cleaning
- Heating

11. 3. What is the temperature used in autoclaves?

Mark only one oval.

- 131 degree C
- 100 degree C
- 121 degree C
- 200 degree C

12. 4. Which of the following articles can be sterilized in an autoclave?

Mark only one oval.

- Culture media
- Gloves
- Dressing material
- All of these

13. 5. ____ is needed as a source of nutrient for the growth and reproduction of microbes

Mark only one oval.

- Water
- Pathogen
- Bacteria
- Media

14. 6. Boiling of water is a ____ method of disinfection

Mark only one oval.

- Chemical
- Physical
- Electrical
- Mechanical

15. 7. Which minor method of disinfection is effective in complete sterilization of water?

Mark only one oval.

- Boiling method
- Excess lime treatment
- Chlorine treatment
- UV treatment

16. 8. The typical common apparatus used for heating in a microbiology lab is _____

Mark only one oval.

- Grill
- Stove
- Bunsen burner
- Lantern

17. 9. A chemical agent that kills the microorganisms and is commonly applied to substances used on inanimate objects are

Mark only one oval.

- Antiseptics
- Sterilizers
- Sanitizers
- Disinfectants

18. 10. Which of the following method is used for enumeration of bacteria in vaccines and cultures?

Mark only one oval.

- Microscopic count
- Membrane filter
- Dry weight calculation
- Plate count

19. 11. Which type of autoclaves is mainly used for bulk research work?

Mark only one oval.

- Sterilization pressure cooker
- Vertical Autoclave
- Table top sterilizer
- Horizontal Autoclave

20. 12. "H" on HEPA filter stands for _____

Mark only one oval.

- Heavy
- High
- Hold
- Hot

21. 13. Endotoxins can be found in

Mark only one oval.

- Gram positive bacteria
- Plants
- Gram negative bacteria
- Viruses

22. 14. Ouchterlony test is a type of _____

Mark only one oval.

- Electrophoresis
- Immunodiffusion
- Blotting
- Staining

23. 15. The solidifying agent used in media is _____

Mark only one oval.

- Beef extract
- Peptone
- Yeast extract
- Agar

24. 16. Toxicity of gram negative bacteria depends upon presence of _____

Mark only one oval.

- O antigen
- Lipids
- Lipid A
- Proteins

25. 17. A bacteriological stain also known as Differential stain is used to identify acid-fast organisms, what is the name of the stain?

Mark only one oval.

- Negative stain
- Ziehl-Neelsen stain
- Gram stain
- Schaeffer stain- Fulton stain

26. 18. Gram staining technique is used for the differentiation of gram-positive and gram-negative bacteria. What color do gram-negative bacteria show when observed under the microscope after the staining procedure?

Mark only one oval.

- Black
- Violet
- Blue
- Pink

27. 19. Some enteric bacteria are part of normal inhabitants and incidentally cause disease but others such as.....are regularly pathogenic for humans.

Mark only one oval.

- Pseudomonas sp
- Streptococcus sp
- Salmonella sp
- Proteus sp

28. 20. All these are bacterial stains, except

Mark only one oval.

- Eosin
- Bismark brown
- Methylene blue
- Crystal violet

29. 21. Blood agar media is a type of ____

Mark only one oval.

- Enriched media
- Enrichment media
- Indicator media
- Selective media

30. 22. Diptheria pneumoniae can be cultivated in

Mark only one oval.

- Chocolate agar
- Serum broth
- Blood agar
- All of these

31. 23. Alkaliphiles grow at pH value between

Mark only one oval.

- 1 to 6
- 1 to 11
- 5 to 9
- 7 to 12

32. 24. Which of the following organism is nitrogen-fixing and found in rice fields in symbiotic association with Azolla?

Mark only one oval.

- Anabaena
- Spirulina
- Tolypothrix
- Frankia

33. 25. Which toxin causes paralysis of muscles?

Mark only one oval.

- Botulinum toxin
- Diptheria toxin
- Tetanus toxin
- Cholera toxin

34. 26. An antigen preparation and an antibody preparation are tested by immunodiffusion. Three bands are found, indicating that

Mark only one oval.

- The antibody was impure
- There was more than one antigen
- There was one antigen and one antibody
- The temperature was too high

35. 27. Electron microscope studies does not help in identifying this section of bacterial spore

Mark only one oval.

- Overall structure
- Spore cortex
- Capsule
- Core

36. 28. Which of the following are acid fast structures?

Mark only one oval.

- Mycobacteria
- Bacterial spores
- Nocardia
- All of these

37. 29. Spores are killed by

Mark only one oval.

- 70% alcohol
- Glutaraldehyde
- Autoclaving
- Both Glutaraldehyde and Autoclaving

38. 30. Lyophilization means

Mark only one oval.

- Sterilization
- Freeze-drying
- Burning to ashes
- Exposure to formation

39. 31. Results of the ODD method is being interpreted in terms of

Mark only one oval.

- Volume of the Ag/Ab added
- Size of the plate/slide
- Diameter of the wells
- Precipitin lines

40. 32. The LAL test for bacterial endotoxin requires blood from

Mark only one oval.

- prawns
- horseshoe crab
- sharks
- fish

41. 33. Actinomycetes is an example of

Mark only one oval.

- aerobic bacteria
- anaerobic bacteria
- anaerobic fungi
- aerobic fungi

42. 34. Antibiotic solutions are sterilized by

Mark only one oval.

- Heating
- Filtration
- Disinfection
- Pasteurization

43. 35. PPE is

Mark only one oval.

- Personal Protective equipment
- Physical Personal Equipment
- Protective Personal Equipment
- Personal Physical Equipment

44. 36. Which of the following is not a physical method for selection of pure culture?

Mark only one oval.

- use of dilute media
- heat treatment
- pH of media
- cell size and motility

45. 37. Active transport of a substance across a membrane requires

Mark only one oval.

- a gradient
- water
- expenditure of ATP
- diffusion

46. 38. A chemical with sporicidal properties is

Mark only one oval.

- quaternary ammonium compound
- alcohol
- gluteraldehyde
- phenol

47. 39. Which of the following culture mediums contains an indicator "Resazurin"

Mark only one oval.

- Stuart's medium
- Fluid Thioglycollate Medium (FTM)
- Soybean Casein Digest Medium (SCDM)
- Alternative Thioglycollate Medium (ATM)

48. 40. High temperatures ___ and low temperatures ___

Mark only one oval.

- sterilize, disinfect
- speed up metabolism, slow down metabolism
- denature proteins, burst cells
- kill cells, inhibit cell growth

49. 41. To detect proteins, the most commonly used probes are

Mark only one oval.

- antigens
- antibodies
- interferons
- none of these

50. 42. Probe is a

Mark only one oval.

- protein detecting a specific molecule
- short piece of labelled DNA complementary to the nuclei acid sequence
- short piece of labelled DNA or RNA complementary to the nuclei acid sequence
- none of these

51. 43. Which of the following is a mismatch?

Mark only one oval.

- Polymerase – Taq polymerase
- Primer – oligonucleotide
- Synthesis – 5' to 3' direction
- Template – double stranded DNA

52. 44. How many DNA duplex is obtained from one DNA duplex after 4 cycles of PCR?

Mark only one oval.

16

32

8

24

53. 45. The endotoxin of the following gram negative bacteria does not play any part in the pathogenesis of the natural disease:

Mark only one oval.

Escherichia coli

Klebsiella sp.

Vibrio cholerae

Pseudomonas aeruginosa

54. 46. Western blotting is the technique for detection of

Mark only one oval.

specific protein in a sample

specific DNA in a sample

Specific RNA in a sample

specific lipid in a sample

55. 47. Protective mechanisms used by bacteria to survive in the host may be

Mark only one oval.

- capsules
- M protein
- enzymes
- All of these

56. 48. In this type of class II biosafety cabinets, contaminated air is surrounded by positive pressure

Mark only one oval.

- A2
- B2
- A1
- B1

57. 49. A sample containing two unrelated antigens can be identified by this pattern of the ODD method

Mark only one oval.

- Identity
- Non-identity
- Partial identity
- none of these

58. 50. Quenchers are usually present in

Mark only one oval.

- oligonucleotide probes
- DNA probes
- RNA probes
- none of these

59. 51. Which of the following does not affect the formation of hybrid DNA?

Mark only one oval.

- Ionic strength
- Temperature
- Homologous DNA
- Pressure

60. 52. The most spoilage bacteria grows at _____

Mark only one oval.

- Neutral pH
- Acidic pH
- Alkaline pH
- None of these

61. 53. Sterility testing can be done by using?

Mark only one oval.

- Membrane filtration
- Pyrogen Testing
- Direct inoculation method
- All of these

62. 54. At what temperature do denaturation of DNA double helix takes place?

Mark only one oval.

- 0°
- 94°
- 100°
- 50°

63. 55. How the plasmid clones can be screened?

Mark only one oval.

- For restriction site
- By selectable markers
- By bacterial resistance gene
- By ARS sequence

64. 56. Which of the following serves as the first primer in RT – PCR for eukaryotic RNA?

Mark only one oval.

- Oligo T
- Oligo C
- Oligo G
- Oligo A

65. 57. What is a probe?

Mark only one oval.

- Chemically synthesized DNA
- Purified DNA
- Fragmented DNA duplex
- Either purified or synthesized single stranded DNA

66. 58. During electrophoresis denaturation of the double stranded DNA is brought about by _____

Mark only one oval.

- Treatment with alkali
- Application of current
- Treatment with EtBr
- Treatment with heat

67. 59. Which of the following is used to precipitate the nucleic acids?

Mark only one oval.

ethanol

ethylene

phenol

glycerol

68. 60. Which of the following is a prime lake pollutant?

Mark only one oval.

Iodine

Phosphorous

Potassium

Sodium

This content is neither created nor endorsed by Google.

Google Forms