

Online Examinations (Odd Sem/Part-I/Part-II Examinations 2021 - 2022)

Course Name - --General Bacteriology

Course Code - BMLT301

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Answer all the questions. Each question carry one mark.

10. 1. Bacteria are:

Mark only one oval.

- Prokaryotic
- Eukaryotic
- Isokaryotic
- None of these

11. 2. Bacteria can be visible under

Mark only one oval.

- Dark-field microscope
- Electron microscope
- Fluroscence microscope
- All of these

12. 3. The earliest solid media by Robert Koch was:

Mark only one oval.

- Cooked cut Potato
- Cooked cut Spinach
- Cooked cut Onion
- Cooked cut cabbage

13. 4. Simple media is known as:

Mark only one oval.

- Enriched media
- Basal media
- Differential media
- Defined media

14. 5.Example of enrich media

Mark only one oval.

- Blood agar
- Chocolate agar
- Blood agar & Chocolate agar
- TCBS agar

15. 6. Sugar media contain:

Mark only one oval.

- Polysaccharides
- Disaccharides
- Sorbitol
- All of these

16. 7. Which of the following is a Complex media for fungal growth?

Mark only one oval.

- Potato Dextrose Agar(PDA) media
- Mac Conkey Agar media
- Nutrient broth
- Luria-Bertani media

17. 8. Nutrient broth, a liquid media contains beef extract and peptone respectively in how much amounts

Mark only one oval.

- 0.3%, 0.5%
- 0.7%, 0.3%
- 0.2%, 0.4%
- 0.1%, 0.6%

18. 9. Which of the following is a characteristic of beef extract?

Mark only one oval.

- aqueous extract of lean beef tissue
- aqueous extract of yeast cells
- complex carbohydrate obtained from certain marine algae
- product resulting from the digestion of proteinaceous materials

19. 10. Which of the following is used as a solidifying agent for media?

Mark only one oval.

- Agar
- Yeast extract
- Peptone
- Beef extract

20. 11. Nichrome loop wire is used in which of the following techniques?

Mark only one oval.

- Streak-plate
- Spread-plate
- Pour-plate
- Roll-tube technique

21. 12. In the Gaspak method the chemical will generate

Mark only one oval.

- Hydrogen and CO₂
- Carbonic acid
- Hydrogen Peroxide
- All of these

22. 13. Which one of the following is true?

Mark only one oval.

- Agar has nutrient properties
- Chocolate medium is selective medium
- Addition of selective substances in a solid medium is called enrichment media
- Nutrient broth is basal medium

23. 14. In gram staining Iodine is used as

Mark only one oval.

- Fixative
- Mordant
- Solubilizer
- Stain

24. 15. Lipopolysaccharide is found in cell wall of:

Mark only one oval.

- Gram Positive bacteria
- Gram negative bacteria
- Gram Positive bacteria & Gram negative bacteria
- fungi

25. 16. Counter stain used in Gram staining is:

Mark only one oval.

- Safranin
- Crystal violet
- Carbol fuschin
- acetocarmine

26. 17. Among which stain the cell is appearing as bright object without staining color

Mark only one oval.

- Gram Stain
- Acid-fast stain
- Simple stain
- Negative stain

27. 18. Clostridium staining will be done by

Mark only one oval.

- Differential staining
- Endospore staining
- Acid fast staining
- All of these

28. 19. In Corynebacterium diphtheriae metachromatic granules is stained by

Mark only one oval.

- Albert's Stain
- Negative stain
- Endospore stain
- None of these

29. 20. Catalase test the reagent used is

Mark only one oval.

- 3%-6% hydrogen peroxide
- 1%-2% hydrogen peroxide
- 4%-5% hydrogen peroxide
- All of the these

30. 21. Oxidase reactions is due to

Mark only one oval.

- Catalase
- Peroxidase
- Cytochrome oxidase
- All of these

31. 22. Catalase test is used for identification of

Mark only one oval.

- Gram positive
- Gram negative
- Both Gram positive and Gram negative
- Neither Gram positive nor Gram negative

32. 23. Indole test is showing positive result for

Mark only one oval.

- Klebsiella
- Staphylococcus
- E. Coli
- Salmonella

33. 24. Voges proskauer test giving negative to

Mark only one oval.

- E. Coli
- Salmonella
- Bacillus
- Klebsiella

34. 25. Oxidation-fermentation test for identification of

Mark only one oval.

- Salmonella Typhi
- Asaccharolytic bacteria
- Pseudomonas
- None of these

35. 26. The size of the virus can be determined by

Mark only one oval.

- Micrography
- Ultra-centrifugation at high speed
- Ultra-filtration
- All of these

36. 27. Salt agar is used for

Mark only one oval.

- Streptococcus
- Staphylococcus
- Vibrio
- Shigella

37. 28. Culture medium for Mycobacterium tuberculosis

Mark only one oval.

- Mac Conkey's medium
- Wilson blair medium
- Nutrient agar
- L J medium

38. 29. A common laboratory method of cultivating anaerobic micro-organisms is

Mark only one oval.

- Gas pack system
- Brewer jar system
- Pyrogallic acid over the cotton
- None of these

39. 30. Culture media for fungi are

Mark only one oval.

- Potato dextrose agar (PDA)
- Sabouraud's agar
- Czapekdox agar
- All of the these

40. 31. C.diphtheriae requires

Mark only one oval.

- LJ medium
- Potassium tellurite medium
- Mac Conkey's medium
- PDA medium

41. 32. Causative organism of whooping cough is

Mark only one oval.

- Bordetella pertussis
- Bordetella parapertussis
- Bordetella bronchi septica
- None of these

42. 33. Diagnostic test for the identification of primary syphilis

Mark only one oval.

- VDRL test
- Treponema pallidum immobilization test
- Kahn's test
- Dark ground microscopic examination

43. 34. E.coli produce which type of toxins

Mark only one oval.

- Exotoxins
- Endotoxins
- Leucocidin
- Both Exotoxins and Endotoxins

44. 35. Bacitracin sensitivity test is done for

Mark only one oval.

- Pneunocci
- Group 'A' Streptococci
- Gonococci
- Staphylococci

45. 36. Salmonella typhi is causative organism of

Mark only one oval.

- Undulent fever
- Remittent fever
- Dengue fever
- Enteric fever

46. 37. Diphtheria is an example of

Mark only one oval.

- Bacteraemia
- Pyaemia
- Septicemia
- Toxaemia

47. 38. Japanese encephalitis is caused by

Mark only one oval.

- Toga Viruses
- Arbo Viruses
- Para myxo Viruses
- Ortho myxo Viruses

48. 39. Diphtheria is caused by

Mark only one oval.

- Corynebacterium diphtheriae
- C. Jeikeium
- C. Bovis
- C. equi

49. 40. Which one of the following produce typical fried egg appearance colonies on solid media?

Mark only one oval.

- Mycobacteria
- Mycoplasts
- Mycoplasmas
- Bacteroides

50. 41. Mycobacteria are stained with

Mark only one oval.

- Gram's staining
- Simple staining
- Both Gram's staining and Simple staining
- Ziehl – Neelsen's staining

51. 42. Tuberculous meningitis is tested by

Mark only one oval.

- Adenine Dehydrogenase Activity
- Acyl Deaminase Activity
- Adenosine Deaminase Activity
- Adenine Deaminase Activity

52. 43. In Bactec system substrate for growing mycobacteria

Mark only one oval.

- radiolabelled palmitic acid
- radiolabelled stearic acid
- radiolabelled peptone extract
- All of these

53. 44. Bacilli Calmette Guerin (BCG) contains the avirulent strains of

Mark only one oval.

- Human tubercle bacilli
- Avian tubercle bacilli
- Bovine tubercle bacilli
- A typical mycobacteria

54. 45. Drugs used against tuberculosis (TB) are

Mark only one oval.

- Refampicin, Isoniazid
- Pyrazinamide, Streptomycin
- Both Refampicin, Isoniazid and Pyrazinamide, Streptomycin
- None of these

55. 46. The greatest number of tubercle bacilli is present in

Mark only one oval.

- Large sized tuberculomas
- Miliary tuberculosis
- Tuberculous lymphadinitis
- Tuberculous cavity of the lung

56. 47. Skin Pathogens of Mycobacteria

Mark only one oval.

- M. ulcerans
- M. marinum
- M. fortuitum
- Both M. ulcerans and M. marinum

57. 48. Which Bacillus responsible for food poisoning

Mark only one oval.

- Bacillus Subtilus
- Bacillus Cereus
- Bacillus Anthrax
- All of these

58. 49. Culture medium for clostridia spp

Mark only one oval.

- 76 Lower stein Jensen's medium
- Mac Conkey's medium
- Robertson's cooked meat medium
- None of these

59. 50. The following microorganisms with their respective appearance of colonies on bismuth Sulphite agar from A to E:

Mark only one oval.

- Salmonella typhi-Black
- Salmonella-No growth
- Escherichia coli-yellow
- Shigella flexneri-green

60. 51. The colonies produced by Pseudomonas on Mac Conkey's medium are

Mark only one oval.

- Purple colored
- Pink colored
- Pale colored
- Green colored

61. 52. Nosocomial infections is due to

Mark only one oval.

- Pseudomonas pyocyanea
- Pseudomonas aeruginosa
- Streptococcus
- Staphylococcus

62. 53. Vibrio Cholerae was discovered by

Mark only one oval.

- Koch
- Metchnikoff
- John Snow
- Virchow

63. 54. Example of anaerobic medium

Mark only one oval.

- Wilson blair medium
- Mac conkey broth
- Robertson's cooked meat medium
- EMB agar

64. 55. The major constituents in agar are

Mark only one oval.

- Fats
- Aminoacids
- Polysaccharides
- Polypeptides

65. 56. Tubercular bacilli grow best in

Mark only one oval.

- Absence of O₂
- Presence of CO₂
- Presence of O₂
- None of these

66. 57. The role that human play in the plague life cycle is

Mark only one oval.

- Secondary reservoir
- Primary transmission vector
- Primary host
- Accidental intruder in rat flea cycle

67. 58. Killed, polio vaccine is

Mark only one oval.

- Sabin vaccine
- Salk
- BCG
- TAB

68. 59. Anthrax vaccine is prepared by

Mark only one oval.

- Killing the bacilli
- Live bacilli
- Attenuated bacilli
- None of these

69. 60. Raw-material used for the production of alcohol is

Mark only one oval.

- Molasses
- Starch
- Sulphite waste water
- All of these

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