

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

Course Name - --Pharmaceutical Microbiology

Course Code - MMB204

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- M.SC.(MM)
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Answer all the questions. Each question carry one mark.

9. 1. Benzylpenicillin is the chemical name for which of the following penicillin?

Mark only one oval.

- PenicillinG
- PenicillinV
- PenicillinF
- Phenethicilin

10. 2. Polymyxins inhibits the growth of the microbes by carrying out which of the following actions?

Mark only one oval.

- inhibition of cell-wall synthesis,
- damage the cytoplasmic membrane
- inhibition of nucleic acid and protein synthesis
- inhibition of specific enzyme systems

11. 3. Which of the following inhibits protein synthesis by combining with the 50S subunit ribosome?

Mark only one oval.

- Streptomycin.
- Tetracycline
- Chloramphenicol.
- Penicillin

12. 4. Which one of the following antibiotic is an example of aminoglycosides?

Mark only one oval.

- Tetracycline.
- Chloramphenicol.
- Bacitracin.
- Kanamycin

13. 5. Lactam ring is absent in

Mark only one oval.

- Monobactams.
- Cephalosporin
- Penicillin.
- Neomycin

14. 6. Drug is metabolized by hydrolysis in..

Mark only one oval.

- Phenytoin
- Chloramphenicol
- Procaine
- none

15. 7. Morphine is excreted through

Mark only one oval.

- Saliva
- Faecal matter
- Lungs
- Urine

16. 8. The amount of total body water is..

Mark only one oval.

15L.

24L

42L

60L

17. 9. In which drug the aVd is 500 L.

Mark only one oval.

Digoxin.

Chloroquine

ethanol

Gentamycin .

18. 10. Tetracyclin is reserved in:

Mark only one oval.

Liver

Bones.

kidney.

Muscle

19. 11. If aV_d is 42l, the drug should be.

Mark only one oval.

- Large.
- Water soluble.
- Lipid soluble
- None

20. 12. Which of the following drug is administrated through sublingual route

Mark only one oval.

- Buprenorphin.
- Procaine
- Anaesthetics
- Gentamycin

21. 13. Example of bacteriocidal drug is..

Mark only one oval.

- Chloramphenicol
- Riphampicin.
- Tetracyclin
- Sulphonamides

22. 14. Properties of aminoglycides is all except

Mark only one oval.

- Nonpolar
- Poorly absorbed
- Excreed through urine
- Not metabolised

23. 15. The antibiotic which inhibit the cross linking of adjacent peptide of NAM-NAM is

Mark only one oval.

- Penicilin
- Streptomycin
- Tetracyclin.
- Gentamycin

24. 16. Which one of the following statement is wrong wrt resistance against bacteria?

—

Mark only one oval.

- Produce beta lactemase which destroy lactam ring.
- Altered Protein binding domain
- decrease ability of the drug to enter in to cell
- none

25. 17. The enteral routes are through.

Mark only one oval.

- The enteral routes are through.
- Transdermal
- Rectal.
- Local

26. 18. What are the number of subunits in nicotin cholinergic receptor?

Mark only one oval.

- 5
- 4
- 3
- 2

27. 19. How many molecules acetyl choline attached with nicotin cholinergic receptor?

Mark only one oval.

- 1
- 2
- 3
- 4

28. 20. Name the effector group (subunit) of nicotin cholinergic receptor

Mark only one oval.

Alpha.

Beta

Gamma

Theta

29. 21. Which one the following component is not an example of second messenger?

Mark only one oval.

cAMP.

cGMP.

IP3

glucose

30. 22. Number of subunits in GPCR receptor

Mark only one oval.

1

2

3

4

31. 23. A drug that is capable of producing pharmacological action is called as

Mark only one oval.

- Affinity.
- antagonist.
- Agonist.
- None

32. 24. The ability of drug to produce action after combining with receptor is called as

Mark only one oval.

- Affinity.
- antagonist.
- Agonist.
- Intrinsic activity

33. 25. Drug that bound to ion channel

Mark only one oval.

- Ibrufen.
- Morphin.
- vaccine.
- None

34. 26. The precursor of uric acid is

Mark only one oval.

- xanthin
- acetyl choline.
- Thyroxin.
- purin

35. 27. Xanthin oxidase is inhibited by

Mark only one oval.

- Uric acid.
- Xanthin
- glucose.
- allopurinol

36. 28. Name the chemical which inhibit the angiotensin convertin enzyme.

Mark only one oval.

- enalpril.
- allopurinol
- ethyl alcohol
- penicillin

37. 29. The drug that act as demulcent.

Mark only one oval.

- Cough syrup
- 20% mannitol.
- activated charcoal
- none

38. 30. Phase I reaction of Procain drug metabolism is carried out by

Mark only one oval.

- Oxidation
- reduction
- Hydrolysis.
- Cyclitization

39. 31. Phenytoin drug is metabolised by

Mark only one oval.

- Oxidation
- reduction
- Hydrolysis
- Cyclitization

40. 32. Which of the below mentioned drug Phase II reaction precedes Phase I?

Mark only one oval.

- Adrenaline
- isoniazids.
- Glucuronic acid.
- None

41. 33. Lipophilic drug aspirin conjugates with

Mark only one oval.

- sulphuric scid.
- methylation
- Glucuronic acid
- None

42. 34. Main channel of drug excretion is through

Mark only one oval.

- Kidney
- Skin
- Lungs.
- Liver

43. 35. Which of the following drug is metabolised by decyclitization

Mark only one oval.

- Phenytoin
- Procaine
- Chloramphrnicol.
- Brifen

44. 36. Drug metabolism by deactylation is carried out by

Mark only one oval.

- Adrenalin
- Dapsone.
- Paracetamol
- Aspirin

45. 37. Drug excreted skin is

Mark only one oval.

- Metronidazol.
- Pracaine.
- Arsenic.
- Morphin

46. 38. Passive tubular absorption depends on

Mark only one oval.

- Temperature
- degree of non ionization.
- degree of ionization
- None

47. 39. Physical action of drug is

Mark only one oval.

- demulcent.
- Chemical action
- Enzyme..
- none

48. 40. The drug that have very high molecular weight can not cross placenta

Mark only one oval.

- Penicillin.
- Morphin.
- Digoxin.
- tubocurarin

49. 41. The amount of transcellular fluid in body is

Mark only one oval.

- 2000 ml
- 500 ml.
- 12000 ml
- 1000 ml.

50. 42. Which of the following statement is wrong wrt low aV_d drug/

Mark only one oval.

- Low molecular weight.
- bound to protein.
- largely restricted to vascular component.
- nil

51. 43. Volume of ECF in human is

Mark only one oval.

- 14L
- 23L
- 25L
- 30

52. 44. JAK-STAT is an example of

Mark only one oval.

- Transmembrane receptors
- GPCR
- Ligand gated
- None

53. 45. In transmembrane receptor protein which aminoacid is phosphorylated?

Mark only one oval.

- Tryptophan
- Tyrosin
- Methionine
- Alanine

54. 46. Preservative must be

Mark only one oval.

- Physically unstable
- irritant
- Chemically unstable
- Non-Toxic

55. 47. A prodrug is:

Mark only one oval.

- An inactive drug that is transformed in the body to an active metabolite
- An inactive drug that is transformed in the body to an active metabolite
- The oldest member of a class of drugs
- A drug that is stored in body tissues and is then gradually released in the circulation

56. 48. Which of the following drying method is used in pharma industry for drying of soft gelatin capsule?

Mark only one oval.

- Vacuum drying
- Truck drying
- Fluid bed drying
- Microwave drying

57. 49. The disintegration time of the Soft capsules is

Mark only one oval.

- 15 minutes
- 30 minutes
- 45 minutes
- 60 minutes

58. 50. The far vacuum ultraviolet region of electromagnetic spectrum ranges from

Mark only one oval.

- 10-200 m μ
- 200-400 m μ
- 10-300 m μ
- 10-150 m μ

59. 51. The most commonly used source for UV radiation is

Mark only one oval.

- tungsten filament incandescent
- Quartz -iodine lamp
- Hydrogen discharge lamp
- None

60. 52. In the tablet coating process, inadequate spreading of the coating solution before drying causes

Mark only one oval.

- Mottling
- Blistering effect
- Orange peel effect
- None

61. 53. Which one of the following is not an example of G-protein coupled receptor?

Mark only one oval.

- Muscarinic cholinergic receptor
- Beta adrenoceptor
- Alpha adrenoceptor
- Nicotinic cholinergic receptor

62. 54. Which of the following is a laxative antacid

Mark only one oval.

- Fe-salt
- Al-salt
- Mg-salt
- Ca-salt

63. 55. Enteric coating is achieved by using

Mark only one oval.

- Hydroxy propyl methyl cellulose
- Polyvinylpyrrolidone
- Carboxy methyl cellulose
- Cellulose acetate Phthalate

64. 56. The Pure Food and drug Act was introduced in the year

Mark only one oval.

1906

1930

1950

1940

65. 57. Triclofos sodium

Mark only one oval.

100

500

300

200

66. 58. Which of the following is not a type of sterilization?

Mark only one oval.

Batch

Continuous

Filter

Submerged

67. 59. Which of the following instrument works on the principle of batch sterilization?

Mark only one oval.

- Incubator
- Autoclave
- Centrifuge
- LAF

68. 60. The highest feasible temperature for batch sterilization is _____

Mark only one oval.

- 121°C
- 120°C
- 122°C
- 124°C

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