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

Course Name - - Pharmaceutical Microbiology Course Code - MMB204

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- Bachelor of Pharmacy
- B.TECH.(CSE)
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- BCA
- B.SC.(CS)
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- LLB
- <u>B.SC</u>(IT)-AI
- B.SC.(MSJ)
- Bachelor of Physiotherapy
- B.SC.(AM)
- Dip.CSE
- Dip.ECE

DIP.EE

DIP.ME
PGDHM
MBA

- M.SC.(BT)
- M.TECH(CSE)
- 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. Benzylpenicillin is the chemical name for which of the following penicillin?

- 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.

\bigcirc	Streptomycin.
\bigcirc	Tetracycline
\bigcirc	Chloramphenicol.

- Penicillin
- 12. 4. Which one of the following antibiotic is an example of amynoglycosides?

- Tetracycline.
- Chloramphenicol.
- Bacitracin.
- Kanamycin

13. 5. Lactam ring is absent in

Mark only one oval.

Monobactems.

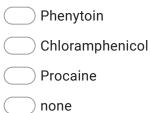
Cephalosporin

Penicillin.

Neomycin

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

Mark only one oval.



15. 7. Morphin 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.

r)	Digoxin.
		Diguxiii.

- Chloroquinine
- _____ ethanol
- Gentamycin .
- 18. 10. Tetracyclin is reserved in:

Mark only one oval.

Liver

Bones.

- kidney.
- Muscle

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

Mark only one oval.

Uarge.

_____ Lipid soluble

None

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

Mark only one oval.

\subset	Buprenorphir
\subset	Procaine
\subset	Anaesthetics
\subset	Gentamycin

21. 13. Example of bacteriocidal drug is..

Mark only one oval.



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?

- 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?

- 5 4 3 2
- 27. 19. How many molecules acetyl choline attached with nicotin cholinergic receptor? Mark only one oval.
 - ____1
 - 2
 - 3

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

Mark only one oval.

\bigcirc	Alpha.
\bigcirc	Beta
\bigcirc	Gamma
\bigcirc	Theta

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

Mark only one oval.



30. 22. Number of subunits in GPCR receptor

Mark only one oval.



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

Mark only one oval.



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

Mark only one oval.

\bigcirc	Affinity.
\bigcirc	antagonist.
\bigcirc	Agonist.

- Intrinsic activity
- 33. 25. Drug that bound to ion channel

- 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

- Oxidation
- reduction
- Hydrolysis
- Cyclitization

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

Mark only one oval.

Adrenaline
 isoniazids.
 Glucorunic acid.
 None

41. 33. Lipophilic drug aspirin conjugates with

Mark only one oval.

- sulphuric scid.
- Glucuronic acid
- None
- 42. 34. Main channel of drug excretion is through

- C 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.

\square	Adrenalin
\square) Dapsone.
\square	Paracetamol
\square	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

- Penicillin.
- Morphin.
- Digoxin.
- tubocurarin

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

Mark only one oval.



- (12000 ml
- _____ 1000 ml.
- 50. 42. W hich of the following statement is wrong wrt low aVd drug/

Mark only one oval.

- Low molecular weight.
 bound to protein.
 largely restric ted to vascular component.
 - 🔵 nil
- 51. 43. Volume of ECF in human is

- _____ 14L
- _____ 23L
- _____ 25L
- 30

52. 44. JAK-STAT is an example of

Mark only one oval.

____ GPCR

Ligand gated

None

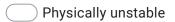
53. 45. In transmembrane receptor protein which aminoacid is phosphorylated?

Mark only one oval.

\bigcirc	Tryptophan
\bigcirc	Tyrosin
\bigcirc	Methionine
\bigcirc	Alanine

54. 46. Preservative must be

Mark only one oval.



) 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

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

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

Mark only one oval.

🔵 10-200 mµ

- 🔵 200-400 mµ
- ____ 10-300 mµ
- ____ 10-150 mµ
- 59. 51. The most commonly used source for UV radiation is

Mark only one oval.

- _____ ungusten filament incandescent
- 📃 Quart –iodine lamp
- 📃 Hydrogen discharge lamp
- None
- 60. 52. In the tablet coating process, inadequate spreading of the coating solution before drying causes

- 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

- ydroxy propyl methyl cellulose
- Providone
- Carboxy methyl cellulose
- Cellulose acetate Phathalate

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

Mark only one oval.

19061930

- 1950
- 1940
- 65. 57. Triclofos sodium

Mark only one oval.

- 100
- 300
- _____ 200
- 66. 58. Which of the following is not a type of sterilization?

Mark only one oval.

Batch

Filter

Submerged

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

Mark only one oval.



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

Mark only one oval.



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