

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

Course Name - --Pharmaceutical Organic Chemistry I

Course Code - BP202T

* 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. The reaction in which the simple molecules or monomer units combine to form larger molecule is termed as_____.

Mark only one oval.

- polymerisation
- monomerisation
- isomerisation
- depolymerisation

10. 2. Acetyl salicylic acid is an _____ derivative of salicylic acid

Mark only one oval.

- Methyl
- acetyl
- butyl
- pentyl

11. 3. _____ is the process of converting (+) or (-) form of a compound into the racemic mixture

Mark only one oval.

- Ricemisation
- Racemisation
- Rocemisation
- Isomerisation

12. 4. Lucas reagent is

Mark only one oval.

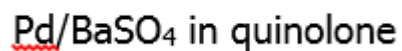
- HCl/NaNO₂
- H₂/Pd
- HCl/ZnCl₂
- H₂/Pd/BaSO₄

13. 5. Lindlar's catalyst is

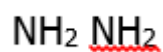
Mark only one oval.



Option 1



Option 2



Option 3



Option 4

14. 6. In C-C, there is

Mark only one oval.

SP 3 hybridization

SP hybridization

SP 2 hybridization

no-hybridization.

15. 7. Which of the following halide can give best SN₂ reaction?

Mark only one oval.

- Primary alkyl halide
- Tertiary alkyl halide
- Secondary alkyl halide
- All can give SN₂ reaction at same rate

16. 8. The ozonolysis of alkane involves the addition of ozone to an alkene to form _____.

Mark only one oval.

- ozonode
- ozonide
- oznide
- ozonide

17. 9. The shape of a p orbital is

Mark only one oval.

- oval
- spherical
- dumb-bell
- rectangular

18. 10. The appearance of a silver mirror in test indicates the presence of :

Mark only one oval.

- an aldehyde
- a ketone
- an alcohol
- an alkane

19. 11. Identify the smallest alkane which can form a ring structure (cycloalkane)

Mark only one oval.

- Cyclomethane
- Methane
- Cyclopropane
- Propane

20. 12. LPG (Household cooking gas) is mainly a mixture of

Mark only one oval.

- Methane + Ethane
- Acetylene + O₂
- Butane + Isobutane
- Acetylene + H₂

21. 13. A hydrazone will result from the reaction of hydrazine with

Mark only one oval.

- a phenol
- an aldehyde
- an alcohol
- An acid

22. 14. If the position of Functional Group is different in its isomer then this is called

Mark only one oval.

- Functional group Isomerism
- Chain Isomerism
- Position Isomerism
- All of these

23. 15. Isopropyl bromide reacts with aqueous KOH to give

Mark only one oval.

- Propene
- Isopropyl alcohol
- Propane
- n-Propyl alcohol

24. 16. The _____ process, double bond undergoes complete cleavage converting the alkene molecule into smaller fragments.

Mark only one oval.

- cleavage reaction
- Alkylation
- Acylation
- Reduction reaction

25. 17. Ketones are prepared by the oxidation of

Mark only one oval.

- Primary alcohol
- Secondary alcohol
- Tertiary alcohol
- None of these

26. 18. Hinsberg reagent is

Mark only one oval.

- Pd+BaSO₄
- p-Toluenesulfonic acid
- NH₂NH₂+KOH
- Benzenesulfonic acid

27. 19.Satzeff rule states the _____ is formed most readily

Mark only one oval.

- least substituted alkane
- most substituted alkane
- least substituted alkene
- most substituted alkene

28. 20.Viniger is a

Mark only one oval.

- 5% solution of acetic acid in water
- 25% solution of acetic acid in water
- 50% solution of acetic acid in water
- 40% solution of acetic acid in water

29. 21. An alkane with 6 carbon atoms will have how many hydrogen atoms?

Mark only one oval.

- 14
- 11
- 13
- 12

30. 22. The high boiling points of alcohols, as compared to the corresponding alkanes, are due to

Mark only one oval.

- Hydrogen bonding
- Heavy oxygen atom
- Water solubility
- None of these

31. 23. Which of the following gives benzoic acid on oxidation?

Mark only one oval.

- Chlorophenol
- Chlorotoluene
- Chlorobenzene
- Benzyl chloride

32. 24. Which of the following compound assigned the Octane Number of zero:

Mark only one oval.

- n-Octane
- 2,3,3-Trimethylpentane
- n-Heptane
- 2,2,4-Trimethylpentane

33. 25. Clemmensen reduction of a ketone is carried out in the presence of which of the following?

Mark only one oval.

H_2 and Pt as catalyst

Glycol with KOH

Option 1

Option 2

Zn-Hg with HCL

$LiAlH_4$

Option 3

Option 4

34. 26. Benzene reacts with conc. HNO_3 in the presence of H_2SO_4 to give nitrobenzene. The reaction is an example of

Mark only one oval.

- electrophilic addition
- nucleophilic addition
- electrophilic substitution
- nucleophilic substitution.

35. 27. An SN2 reaction at an asymmetric carbon of a compound always gives

Mark only one oval.

- An enantiomer of the substrate
- A product with opposite optical rotation
- A mixture of diastereomers
- A single stereoisomer

36. 28. The structural difference between a hemiacetal and an acetal is the replacement of a

Mark only one oval.

- OH group with an -OR group
- H atom with an -OR group.
- H atom with a -OH group.
- OR group with a -OH group

37. 29. Markonikov addition

Mark only one oval.

- gives the most stable carbocation
- gives the least stable carbocation
- is addition to a carbon atom containing the least hydrogen atom
- none of these

38. 30. In solution, carboxylic acids exist as a _____.

Mark only one oval.

- dimeric form
- trimeric form
- tetrameric form
- Traumeric form

39. 31. In $C=C$, there is

Mark only one oval.

- sp^3 hybridization
- sp hybridization
- sp^2 hybridization
- no hybridization

40. 32. Molecules of alcohol have

Mark only one oval.

- hydrogen bonding
- dipole force
- van der vaal's forces
- all of them

41. 33. The simplest aldehyde and ketone contain, respectively, how many carbon atoms?

Mark only one oval.

- 1 and 1
 1 and 3
 2 and 2
 2 and 3

42. 34. Acetylene (Ethyne) has

Mark only one oval.

- four σ and one π bonds
 one σ and two π bonds
 two σ and three π bonds
 one σ and four π bonds.

43. 35. In which of the following reactions new carbon-carbon bond is not formed

Mark only one oval.

- Cannizzaro reaction
 Wurth reaction
 Aldol condensation
 Friedel-Crafts reaction

44. 36. What is the full form of IUPAC System?

Mark only one oval.

- International Union of Prodrugs and Applied Chemistry
- International United Pure and Applied Chemistry
- International Union of Potent and Applied Chemistry
- International Union of Pure and Applied Chemistry

45. 37. Octane number is related to

Mark only one oval.

- gasoline
- kerosene oil
- diesel oil
- lubricating oil

46. 38. Which one of following not take place in Cannizzaro reaction?

Mark only one oval.

- Formaldehyde
- Trimethyl acetaldehyde
- Acetaldehyde
- Benzaldehyde

47. 39. Which of following is a Tertiary amines?

Mark only one oval.

- Methylamine
 Dimethylamine
 Ethylmethylamine
 Trimethylamine

48. 40. Which of the following reagents will react readily with both aldehydes and ketones

Mark only one oval.

- Grignard reagent
 Fehling's reagent
 Tollens's reagent
 Schiff 'sreagent

49. 41. The _____ involves movement of the double bond and functional group from one carbon to another

Mark only one oval.

- Allylic rearrangement
 pollylylic rearrangement
 Acylyc rearrangement
 aliphatic rearrangement

50. 42. Grignard reagent is

Mark only one oval.

- benzyl chloride
- alkyl magnesium halide
- alkyl magnesium sulphide
- sodiumsulphocyanide.

51. 43. A primary amine can be identified by using

Mark only one oval.

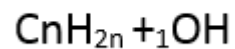
- HCl
- CHCl₃
- NaOH
- CHCl₃+KOH

52. 44. General formula for alcohols is

Mark only one oval.



Option 1



Option 2



Option 3



Option 4

53. 45. The compound which have same molecular formula but different structural formula are called

Mark only one oval.

- Optical isomer
- Geometrical isomer
- Position isomer
- Structural isomer

54. 46. Diel's Alder comes under

Mark only one oval.

- Cycloaddition
 Electrocyclic
 Sigmatropic
 All of the above

55. 47. Chlorobutanol have ____ like odour and taste.

Mark only one oval.

- camphor
 blue vitriol
 green Vitriol
 alcohol

56. 48. Which of the following is the strongest acid?

Mark only one oval.

- CH_3COOH
 ClCH_2COOH
 $\text{CH}_3\text{CH}_2\text{COOH}$
 FCH_2COOH

57. 49. Bayer's reagent is

Mark only one oval.

Dilute KMNO_4

Option 1

$\text{HCl} + \text{ZnCl}_2$

Option 2

Br_2 in CCl_4

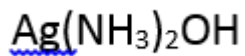
Option 3

NH_2NH_2

Option 4

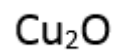
58. 50. The oxidizing agent in the Tollen's test for the presence of an aldehyde is

Mark only one oval.



Option 1

Option 2



Option 3

Option 4

59. 51. Rank the following series of atoms in order of INCREASING electronegativity

Mark only one oval.

$\text{N} < \text{O} < \text{F} < \text{P} < \text{As}$

$\text{F} < \text{O} < \text{N} < \text{P} < \text{As}$

$\text{As} < \text{P} < \text{N} < \text{O} < \text{F}$

$\text{As} < \text{P} < \text{N} < \text{F} < \text{O}$

60. 52. N-propyl bromide on treatment with ethanolic potassium hydroxide produces

Mark only one oval.

- Propane
- Propene
- Propyne
- Propanol

61. 53. What is the IUPAC name of the aldehyde whose common name is formaldehyde?

Mark only one oval.

- methanal
- ethanal
- propanal
- 2-methylpropanal

62. 54. Which of the following statements describes an SN2 reaction

Mark only one oval.

- It is zero order in alkyl halide and second order in nucleophile
- It is second order in nucleophile
- It is first order in nucleophile and first order in alkyl halide
- It is second order alkyl halide

63. 55. The product formed in Aldol condensation is

Mark only one oval.

- beta-hydroxy aldehyde or a beta-hydroxy ketone
- an alpha-hydroxy aldehyde or ketone
- an alpha, beta unsaturated ester
- a beta-hydroxy acid

64. 56. Which one is weakest bond

Mark only one oval.

- Co-ordinate
- Ionic bond
- Covalent
- Polar covalent bond

65. 57. Which C-X bond has the highest bond energy per mole?

Mark only one oval.

- C-Br
- C-Cl
- C-F
- C-I

66. 58. As per IUPAC nomenclature, aldehyde named as _____.

Mark only one oval.

- alkenals
- alkanals
- alkynals
- None of these

67. 59. Which of the following compounds show geometrical isomerism?

Mark only one oval.

- 2-Butene
- 2-Methyl-2-Butane
- 1-Pentanol
- 1,2-Dichloropropane

68. 60. The reduction of ketone

Mark only one oval.

- always gives a primary alcohol
- always gives a secondary alcohol
- always gives a carboxylic alcohol
- always gives a ketal

69. 61. Markonikov's addition of HBr is not applicable to

Mark only one oval.

- propane
- 1-butane
- 1-pentene
- 2-butene

70. 62. Acetaldehyde on treatment of Fehling's reagent gives a precipitate of

Mark only one oval.

- Cu
- Cu₂O
- CuO
- None of these

71. 63. The aromatic primary amines reacts with nitrous acid yield_____.

Mark only one oval.

- diazonium salts
- tiazonium salts
- tetrazonium salts
- tauzonium salts

72. 64. Which of the following gives positive Iodoform test

Mark only one oval.

- Propanol
- Pentanone
- Propanol
- None of these

73. 65. Structural isomerism can be classified as ____ types

Mark only one oval.

- 1
- 3
- 4
- 5

74. 66. Select the incorrect statement regarding alkenes

Mark only one oval.

- In alkenes, the carbons are connected by pi bonds
- Alkenes have almost same physical properties as that of the alkanes
- Alkenes are less reactive than alkanes
- Alkenes undergo polymerization reaction

75. 67. _____ alcohol oxidise to aldehyde and then to acids.

Mark only one oval.

- Primary
- Secondary
- Tertiary
- None of these

76. 68. Amines are generally classified as

Mark only one oval.

- Weak acids
- Strong acids
- Weak bases
- Strong bases

77. 69. When ethyl chloride reacts with nascent hydrogen, what is the formed product?

Mark only one oval.

- Methane
- Propane
- Butane
- Ethane

78. 70. Identify the incorrect statement

Mark only one oval.

- Alkanes with repeated $-CH_2-$ units constitute a homologous series
- Alkanes are very reactive
- Alkanes have very less biological activity
- Petroleum and natural gas are the main sources of alkanes

79. 71. Rectified spirit is

Mark only one oval.

- 100% ethanol
- 90% ethanol
- 100% methanol
- 95% ethanol

80. 72. Acetic acid is manufactured by the fermentation of which of the following chemical?

Mark only one oval.

- Ethanol
- Methanol
- Ethanal
- Methanal

81. 73. Which of the following compounds does not dissolve in conc. H_2SO_4 on warming?

Mark only one oval.

- n-Hexane
- Diethyl ether
- 1-Butane
- Aniline

82. 74. The Hinsberg's method is used for which of the following?

Mark only one oval.

- Preparation of primary amines
- Preparation of secondary amines
- Preparation of tertiary amines
- Separation of amine mixtures

83. 75. All statements are true for SN_1 reaction except

Mark only one oval.

- follow first order Kinetic
- rearrangement is possible
- inversion of configuration takes place
- two step reaction

This content is neither created nor endorsed by Google.

Google Forms