

pharmaceutical chemistry 2 (08600202)

First internal examination 2020-2021

D.pharm 2nd year

subject: pharmaceutical chemistry 2 (08600202)

date: 14/07/2020

instructions:

1. all question are compulsory

2. each question carry 1 mark

3. max mark 70.

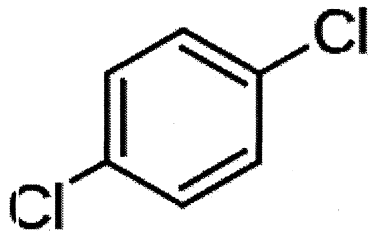
* Required

1. Email address *

2. enrollment no. *

3. 1. write name of following compound.

1 joint

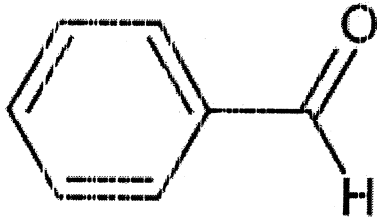


Mark only one oval.

- 1,4-chlorobenzene
- 1,4-dichlorobenzene
- dichlorobenzene
- chlorobenzene

4. 2. write name of following compound.

1 point



Mark only one oval.

- benzophenone
- benzophene
- benzoic acid
- benzaldehyde

5. 1. WRITE NOMENCLATURE OF FOLLOWING COMPOUND.

1 point

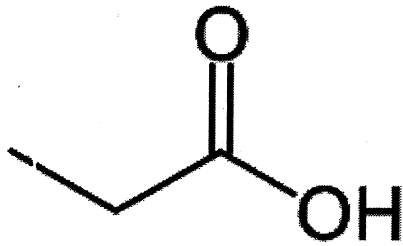


Mark only one oval.

- 2-pentyne
- pentyne
- 1-pentyne
- 1-butene

6. 2. WRITE NOMENCLATURE OF FOLLOWING COMPOUND.

1 point

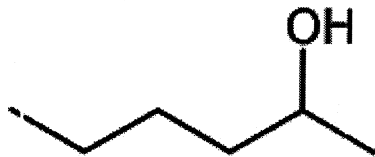


Mark only one oval.

- propanaldehyde
- butanoic acid
- ethanoic acid
- propanoic acid

7. 3. WRITE NOMENCLATURE OF FOLLOWING COMPOUND.

1 point



Mark only one oval.

- 2-hexanol
- 1-hexanol
- 5-hexanol
- heptanol

8. 4. WRITE NOMENCLATURE OF FOLLOWING COMPOUND.

1 point

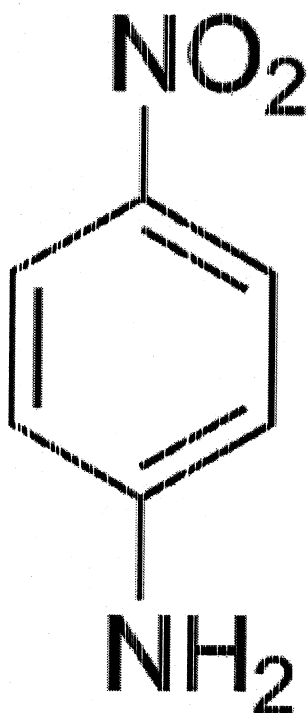


Mark only one oval.

- ethoxy ethane
- methoxy ethane
- methoxy methane
- ethoxy methane

9. 5. WRITE NOMENCLATURE OF FOLLOWING COMPOUND.

1 point

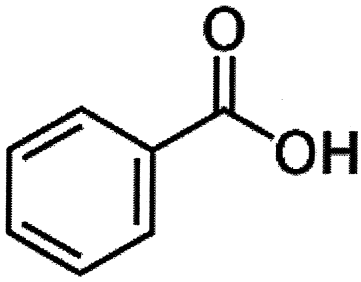


Mark only one oval.

- 4-aminebenzene
- 4-nitrobenzene
- 4-nitroaniline
- 4-aniline

10. 3. write name of following compound.

1 point

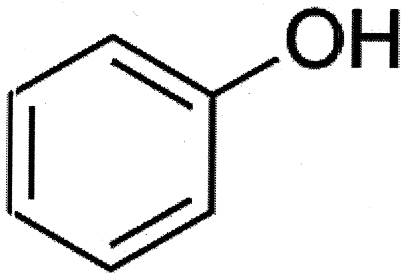


Mark only one oval.

- benzaldehyde
- benzophenone
- benzoic acid
- none

11. 4. write name of following compound.

1 point

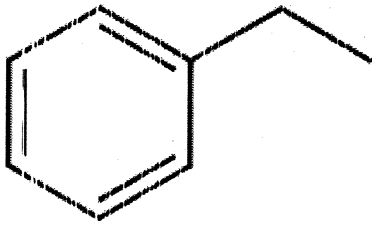


Mark only one oval.

- cresol
- phenol
- benzen alcohol
- benzene

12. 5. write name of following compound.

1 point

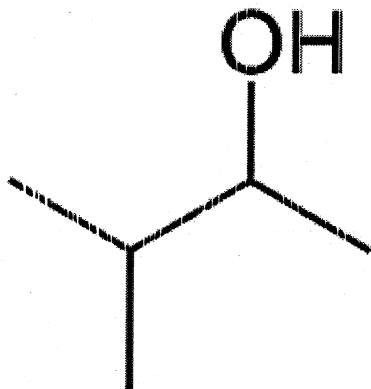


Mark only one oval.

- methylbenzene
- ethylbenzene
- benzene
- propylbenzene

13. write the nomenclature of following compound

1 point

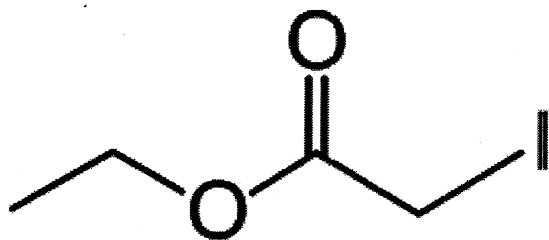


Mark only one oval.

- 3-methyl-2-butanol
- 2-methyl-3-butanol
- pentanol
- isopropyl alcohol

14. write the nomenclature of following compound.

1 point

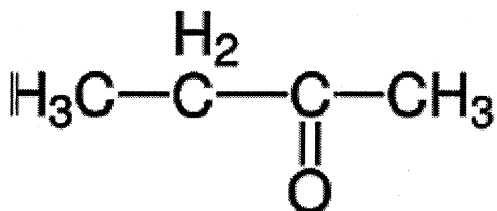


Mark only one oval.

- ethyl propanoate
- methyl propanoate
- ethyl ethanoate
- Option 4

15. write the nomenclature of following compound

1 point

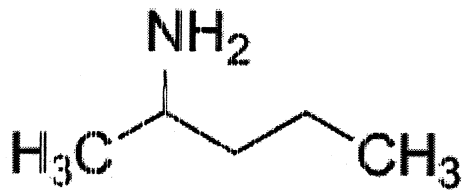


Mark only one oval.

- 3-butanone
- 1-butanone
- 2-butanone
- 2-propanone

16. write the nomenclature of following compound

1 point

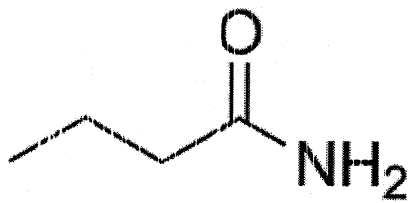


Mark only one oval.

- 2-amino propane
- 2-amino pentane
- propane-2-amine
- butane-2-amine

17. write the nomenclature of following compound

1 point

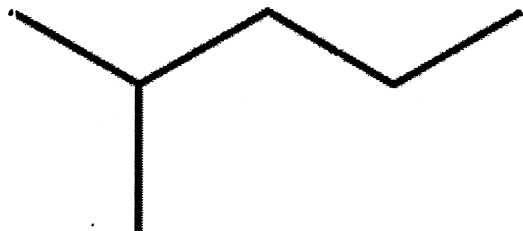


Mark only one oval.

- butamide
- propanamide
- pentanamide
- butanamide

18. write IUPAC name of following structure.

1 point

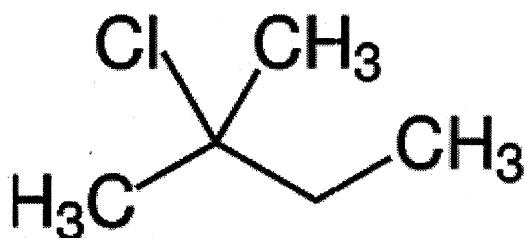


Mark only one oval.

- 4-methylpentane
- 4,4-dimethylbutane
- 2-methylpentane
- hexane

19. write IUPAC name of following structure.

1 point

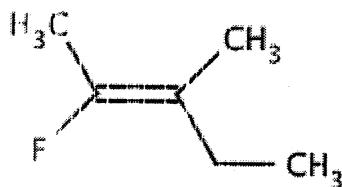


Mark only one oval.

- 2-chloro-2-methylbutane
- 2-methylpentane
- 3-chloro-3-methylbutane
- 2-chloro-2-methylpropane

20. write IUPAC name of following structure.

1 point

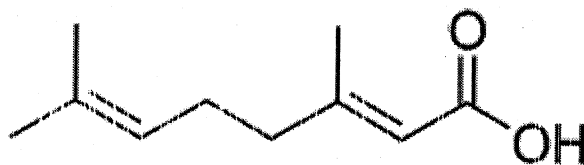


Mark only one oval.

- 2-pentene
- 2-fluoro-3-methyl-2-hexene
- 2-fluoro-3-ethyl-2-pentene
- 2-fluoro-3-methyl-2-pentene

21. write IUPAC name of following structure.

1 point

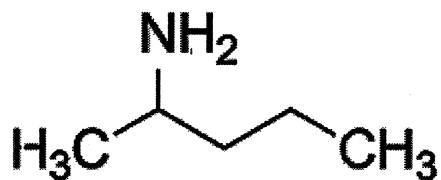


Mark only one oval.

- 2,6- dimethylocta-2,6-dienoic acid
- 3,7- dimethylocta-2,6-dienoic acid
- 3,7- dimethyloctanoic acid
- octa-2,6-dienoic acid

22. write IUPAC name of following structure.

1 point

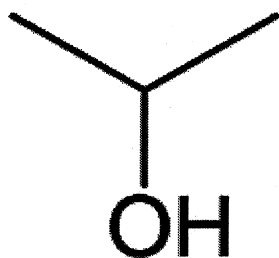


Mark only one oval.

- 4-aminopentane
- 2-aminopentane
- 2-aminobutane
- 2-butylamine

23. write nomenclature of following compound.

1 point

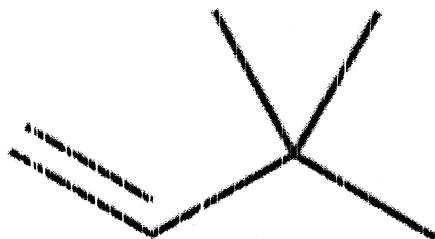


Mark only one oval.

- propanol
- 1-propanol
- 2-propanol
- ethanol

24. write nomenclature of following compound.

1 point

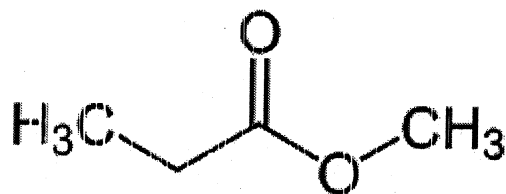


Mark only one oval.

- 3,3-dimethyl-1-butane
- 2,2-dimethyl-1-butene
- 2,2-dimethyl-3-butene
- 3,3-dimethyl-1-butene

25. write nomenclature of following compound.

1 point



Mark only one oval.

- methyl propanoate
- methyl ethanoate
- ethyl ethanoate
- ethyl propanoate

26. write nomenclature of following compound.

1 point

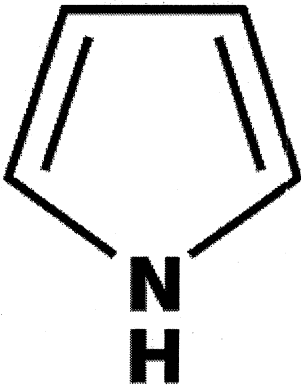


Mark only one oval.

- dimethylether
- diethylether
- methylethylether
- butylether

27. give name of following compound

1 point

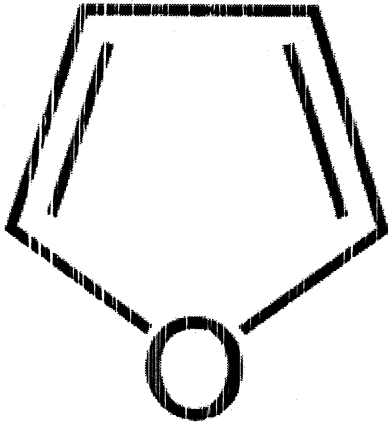


Mark only one oval.

- pyrimidine
- pyridine
- pyrrol
- pyrazole

28. give name of following compound

1 point

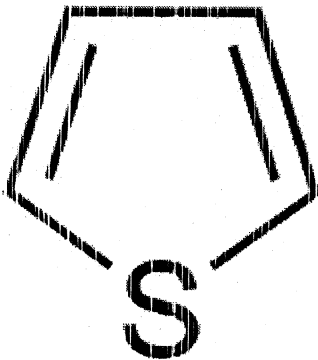


Mark only one oval.

- oxazole
- oxane
- pyrrol
- furan

29. give name of following compound

1 point

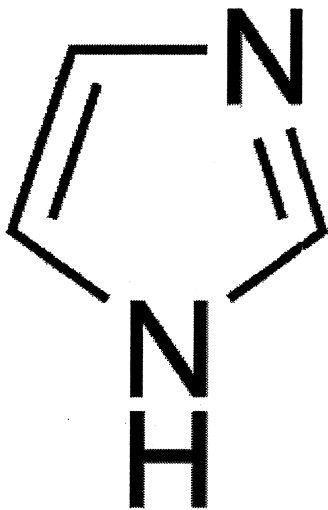


Mark only one oval.

- furan
- thiophene
- thiol
- pyrrol

30. give name of following compound

1 point

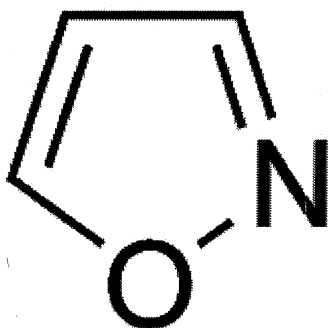


Mark only one oval.

- pyrimidine
- imidazole
- pyrazole
- pyrrole

31. give name of following compound

1 point

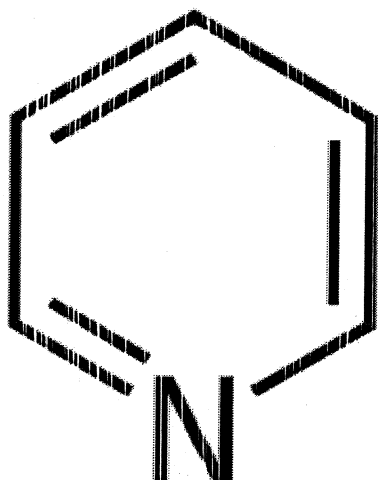


Mark only one oval.

- oxazole
- isoxazole
- furan
- pyrrazole

32. write name of following compound.

1 point

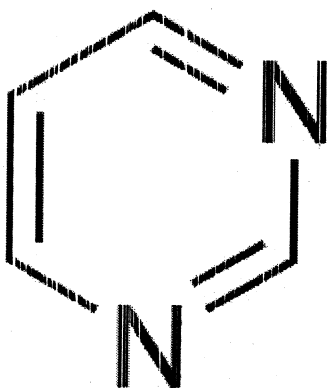


Mark only one oval.

- pyrimidine
- pyrrole
- pyrrazole
- pyridine

33. write name of following compound.

1 point

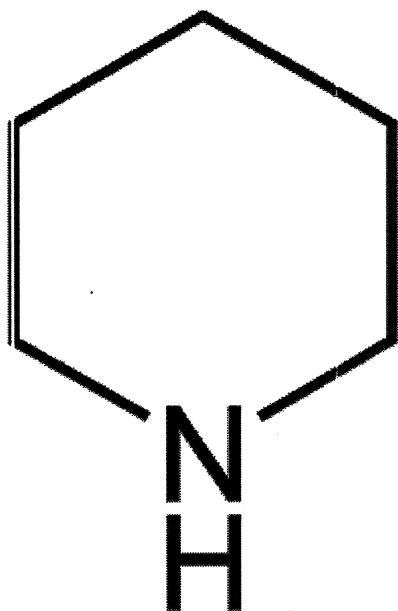


Mark only one oval.

- pyrimidine
- imidazole
- pyrazine
- piperazine

34. write name of following compound.

1 point

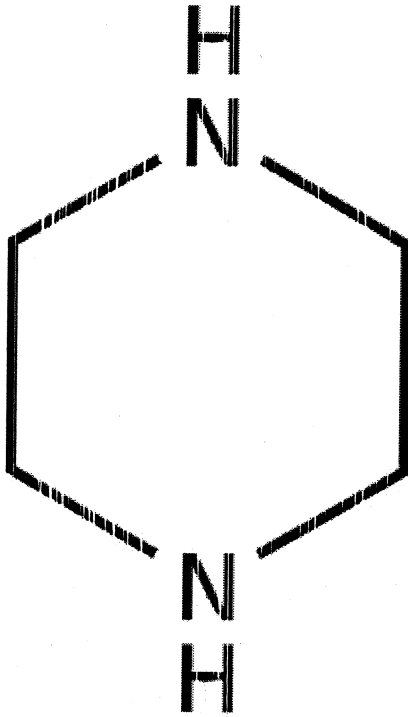


Mark only one oval.

- pyridine
- piperidine
- pyrimidine
- pyrrole

35. write name of following compound.

1 point

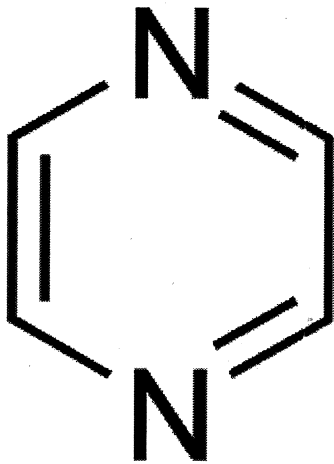


Mark only one oval.

- piperidine
- piperazine
- pyrazine
- pyrrole

36. write name of following compound.

1 point

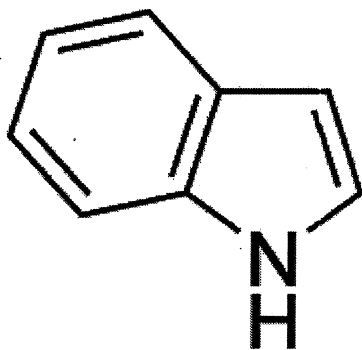


Mark only one oval.

- pyrrole
- piperidine
- pyrimidine
- pyrazine

37. write the name of following compound.

1 point

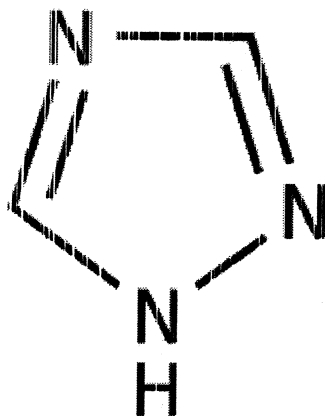


Mark only one oval.

- isoindole
- indole
- quinoline
- isoquinoline

38. write the name of following compound.

1 point

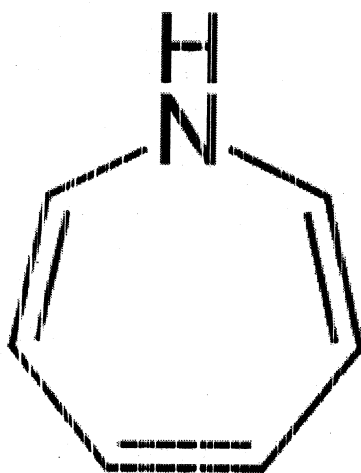


Mark only one oval.

- 1,3,4-triazole
- 1,2,4-triazole
- triazole
- tetrazole

39. write the name of following compound.

1 point

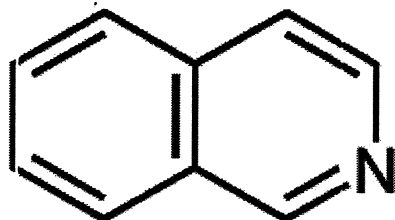


Mark only one oval.

- diazepine
- azepine
- pyridine
- piperidine

40. write name of following compound.

1 point

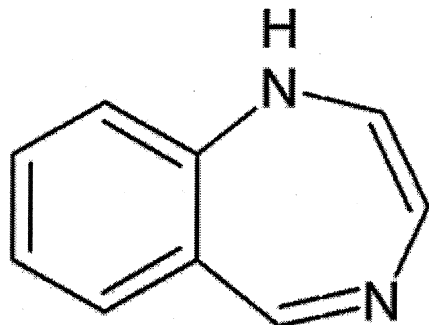


Mark only one oval.

- quinoline
- isoquinoline
- indole
- isoindole

41. write name of following compound.

1 point

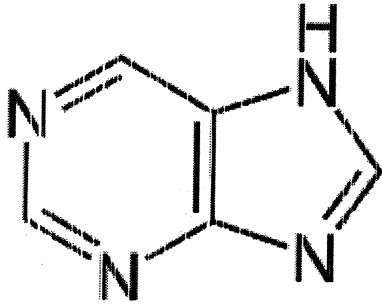


Mark only one oval.

- diazepine
- benzodiazepine
- azepine
- none

42. write name of following compound.

1 point

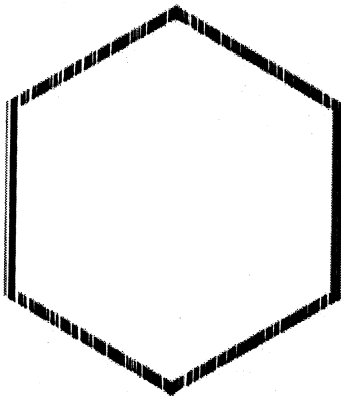


Mark only one oval.

- purine
- adenine
- pyrimidine
- pyridine

43. choose the correct name of following compound.

1 point

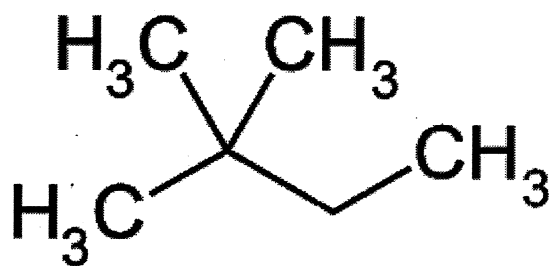


Mark only one oval.

- cyclopentane
- cyclohexene
- benzen
- cyclohexane

44. choose the correct name of following compound.

1 point



Mark only one oval.

- 2,2-diethylbutane
- 1,1-dimethylbutane
- 2,2-dimethylbutane
- hexane

45. choose the correct formula for ethanal

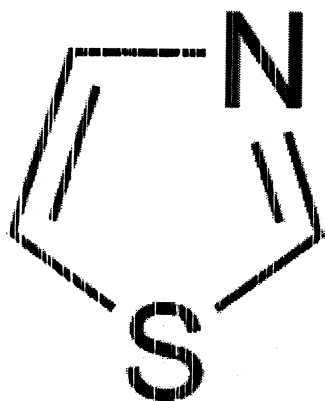
1 point

Mark only one oval.

- CH₂CHO
- CH₃CH₂CHO
- HCHO
- NONE

46. choose the correct name of following compound.

1 point

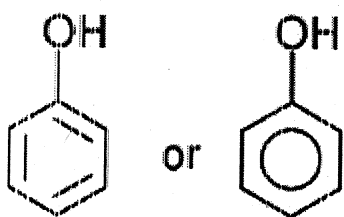


Mark only one oval.

- diazole
- oxazole
- thiazole
- imidazole

47. choose the correct name of following compound.

1 point

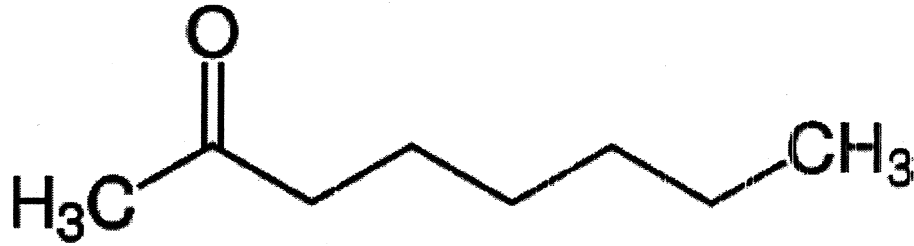


Mark only one oval.

- benzen
- phenol
- toluene
- cresol

48. choose the correct name of following compound.

1 point



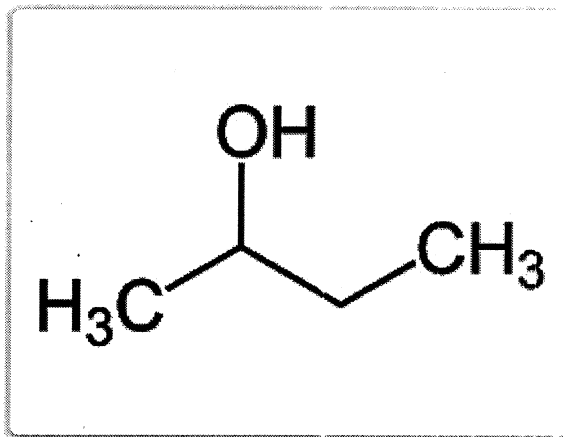
Mark only one oval.

- octanone
- 1-octanone
- 2-octanone
- octane

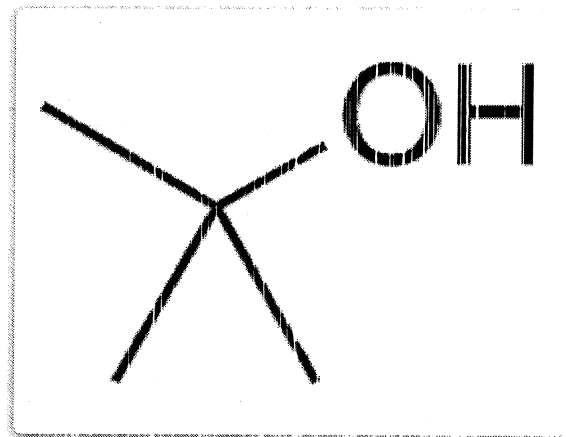
49. find correct structure for 2-butanol.

1 point

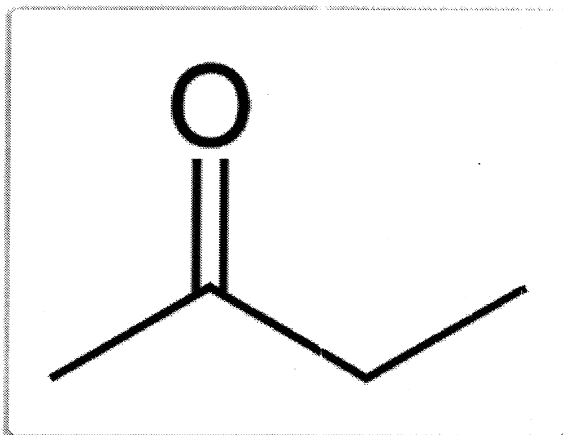
Mark only one oval.



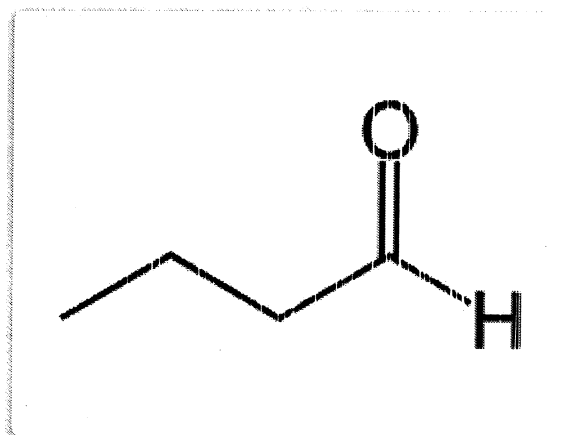
Option 1



Option 2



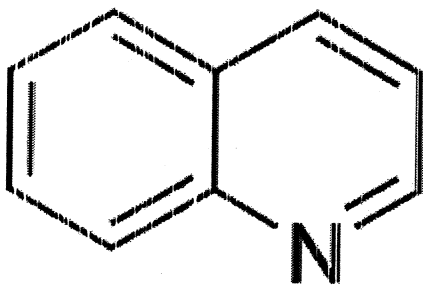
Option 3



Option 4

50. choose correct name of following structure

1 point

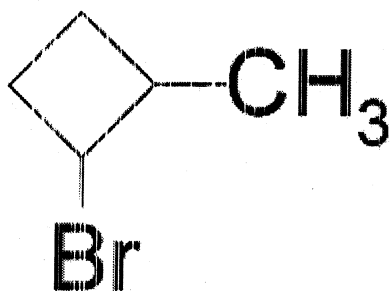


Mark only one oval.

- quinoline
- purine
- pyridine
- isoquinoline

51. choose the correct name of compound.

1 point

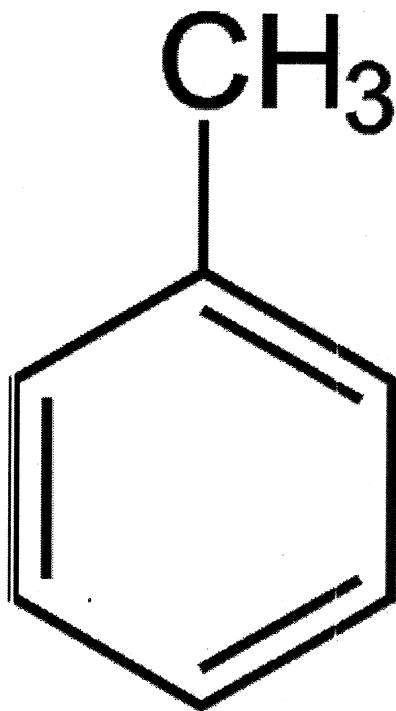


Mark only one oval.

- 1-bromo-2-methylbutane
- 1-bromo-2-methylcyclobutane
- 2-bromo-1-methylbutane
- 2-bromo-1-methylcyclobutane

52. choose the correct name of compound.

1 point

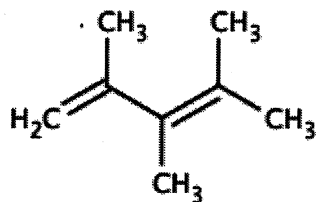


Mark only one oval.

- benzene
- toluene
- xylene
- methylcyclohexene

53. choose the correct name of compound.

1 point



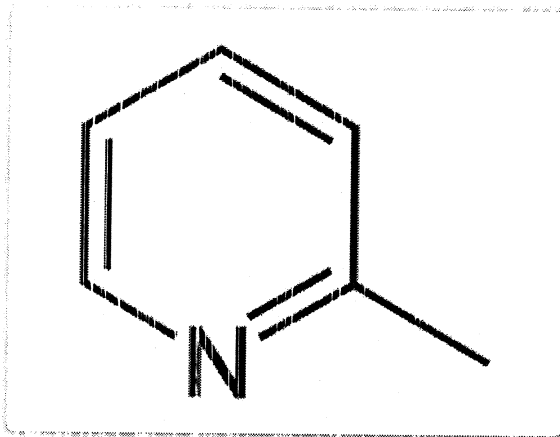
Mark only one oval.

- 2,3,4-trimethyl-1,3-pentadiene
- 2,3,4-trimethyl-2,4-pentadiene
- 2,3,4-trimethyl-1,3-pentene
- octene

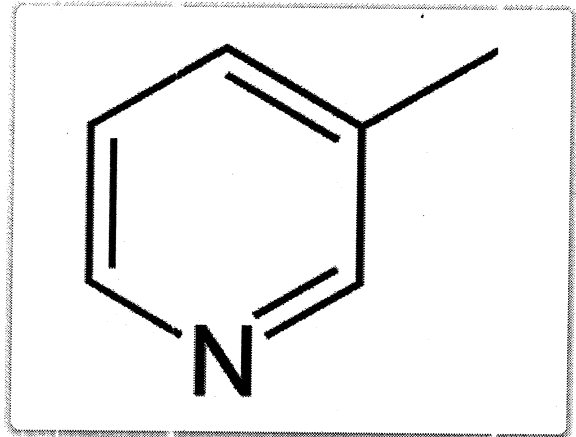
54. choose correct structure for 2-methyl pyridin

1 point

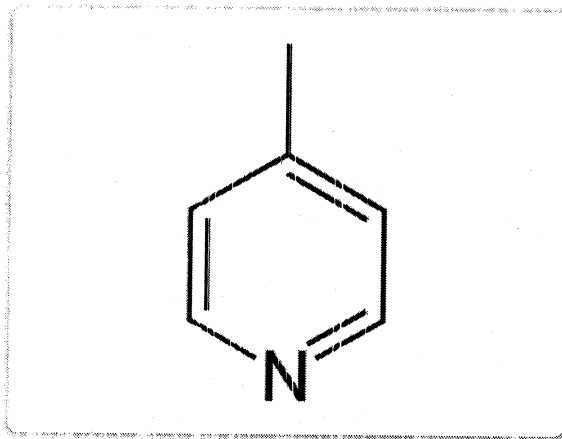
Mark only one oval.



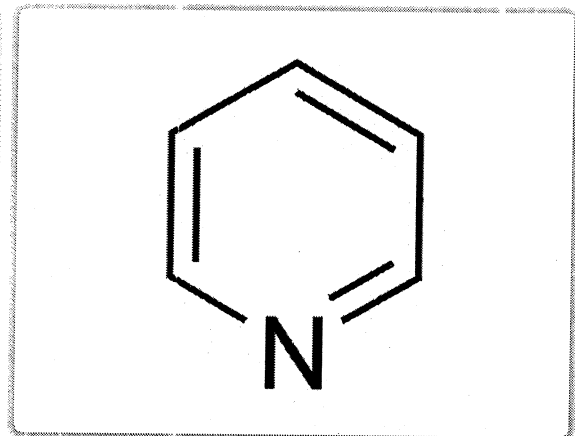
Option 1



Option 2



Option 3

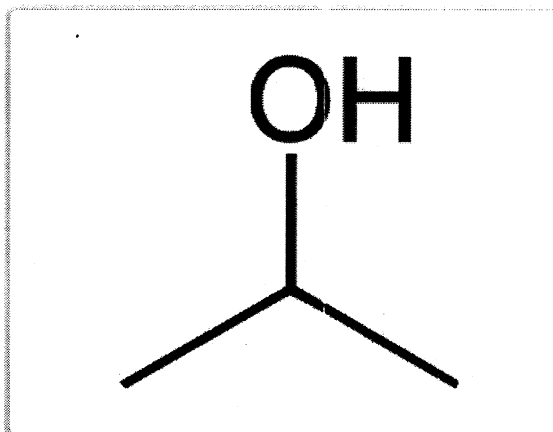


Option 4

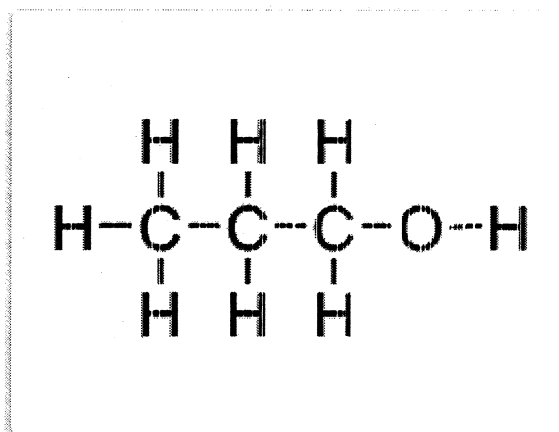
55. choose correct structure of isopropyl alcohol

1 point

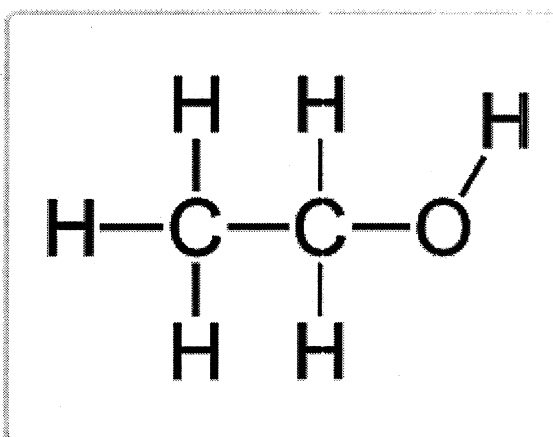
Mark only one oval.



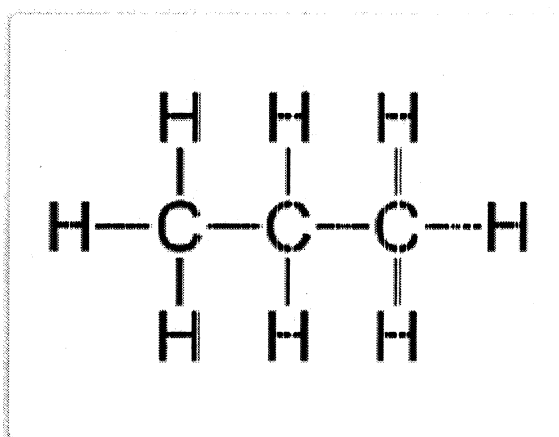
Option 1



Option 2



Option 3



Option 4

56. agent that causes destruction or inhibition of growth of micro organisms on living surfaces .

1 point

Mark only one oval.

- Antiseptic
- Disinfectant
- sanitizer
- none

57. Cetrimide comes under class.

1 point

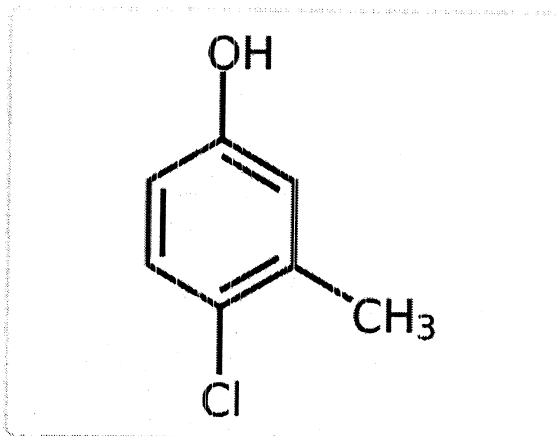
Mark only one oval.

- phenol
- alcohol
- acridine dye
- quaternary ammonium compounds

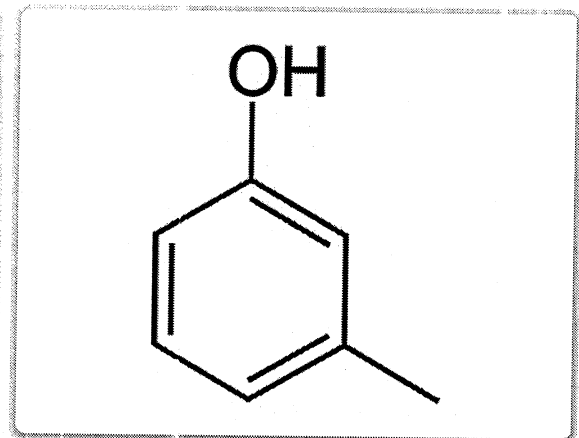
58. choose correct strture of chlorocresol.

1 point

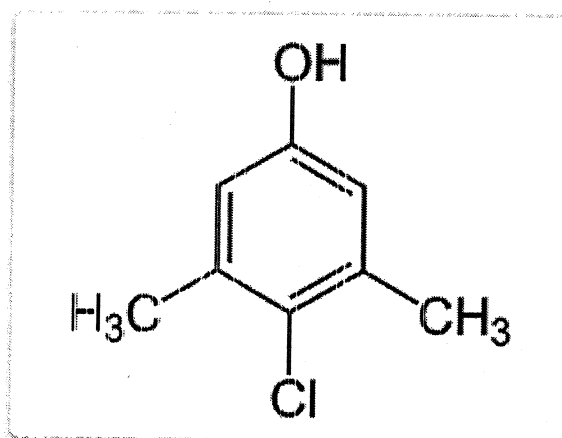
Mark only one oval.



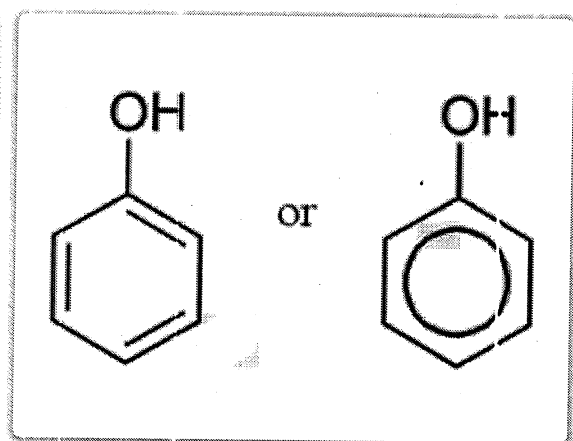
Option 1



Option 2



Option 3



Option 4

59. formaline is

1 point

Mark only one oval.

- 37% solution of formaldehyde in water.
- 37% solution of formaldehyde in alcohol.
- 3.7% solution of formaldehyde in water.
- 3.7% solution of formaldehyde in alcohol.

60. clettol antiseptic solution contain 4.8%

1 point

Mark only one oval.

- chlorocresol
- chloroxylenol
- chlorhexidine
- benzalkoniumchloride

61. IUPAC full form

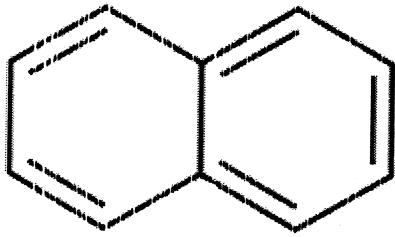
1 point

Mark only one oval.

- International Union of Physical and Applied Chemical
- International Union of Pure and Applied Chemistry
- Inter Union of Physical and Applied chemistry
- Inter Union of Pure and Applied chemical

62. identify the compound

1 point

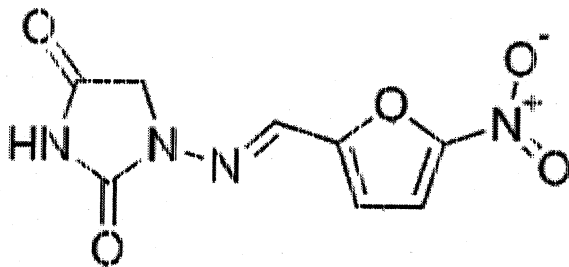


Mark only one oval.

- anthracene
- benzene
- naphthalene
- azepine

63. Nitrofurantoin is a synthetic derivative of..... heterocycles

1 point

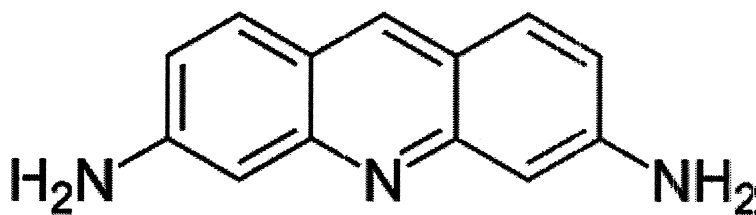


Mark only one oval.

- imidazole
- imidazolidine-2,4-dione
- imidazolidine
- oxazole

64. proflavin is derived fluorescent contrast and a disinfectant bacteriostatic against.

1 point



Mark only one oval.

- phenothiazine
- phenazine
- acridine
- anthracene

65. Triple dye lotion contains for burns, Dressing in umbilical stump in neonates.

1 point

Mark only one oval.

- gentian violet , brilliant green, methylene blue
- gentian violet , brilliant blue, proflavin
- gentian green , brilliant violet, proflavin
- gentian violet , brilliant green, proflavin

66. Savlon, which was a combination of

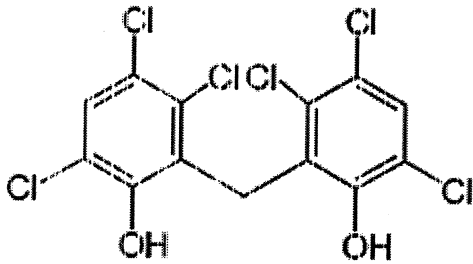
1 point

Mark only one oval.

- cetrimide and chloroxylenol.
- benzalkonium chloride and chlorhexidine.
- cetrimide and chlorhexidine.
- chloroxylenol and chlorocresol

67. write the name of following structure of antiseptic compound.

1 point



Mark only one oval.

- hexachlorophene
- hexachlorophenol
- hexachlorobenzene
- hexachloride

68. unsaturated compounds contains

1 point

Mark only one oval.

- single bond and double bond
- double bond or triple bond
- single bond
- single bond or triple bond

69. Aliphatic compounds means,

1 point

Mark only one oval.

- OPEN chains of Carbon atoms.
- Unbranched or Branched
- contain single, Double or Triple bonds.
- all of the above

70. an atom or group of atoms which determine the chemical and physical properties of an organic compound. 1 point

Mark only one oval.

- empirical groups
 structural groups
 functional groups
 none.

71. find incorrect one. 1 point

Mark only one oval.

- carboxylic acid - COOH
 ketone - C=O
 amine -CONH₂
 Aldehyde - CHO

72. Find incorrect one.(functional group and suffix) 1 point

Mark only one oval.

- carboxylic acid - oic acid
 aldehyde - ol
 alkene - ene
 ketone - one

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