Instruction / सुचना / :-

* Follow the detail instructions given on OMR Sheet
* ओ एम आर वरील सर्व सूचनांचे पालन करावे.



| A) Indole |  |
| :---: | :---: |
| B) Quinoline |  |
|  |  |
| Q. 8 D) Pyridine |  |
| A]A [] | C]C [ |
| B]B [] | D]D [] |
| In skraup synthesis glycerol is heated with ..... in presence of $\mathrm{H}_{2} \mathrm{SO}_{4}$ and nitrobenzene to form quinoline. <br> A) Acrolein <br> B) Benzonitrile <br> C) Anisole | $1$ |
| Q.9 D) Aniline |  |
| A]A [] | C]C [] |
| B]B [] | D]D [] |
| Q. 10 Which of the following drugs is an analgesic drug? <br> A]Sulfanilamide [] <br> B]Penicillin [] | Cllsoniazide [] D]Paracetamol [] |

Q. 11 The drug effective in the treatment of tuberculosis is ........

| A]Sulfanilamide [] <br> B]Aspirin [] | C]Isoniazide [] <br> D]Paludrine [] | 114 |
| :---: | :---: | :---: |
| Q. 12 Chloroquine is $\qquad$ drug. <br> A]Antibiotic [] <br> B]Anti-malarial [] | C]Antibacterial [] D]Antifungal [] | 114 |
| Q. 13 The chemotherapeutic action of tolbutamide is $\qquad$ <br> A]Antipyretic [] <br> B]Sedative [] | C]Antidiabetic [] <br> D]Anaesthetic [] | 114 |
| Q. 14 The drug used for the treatment of mental diseases is called $\qquad$ drug. <br> A]Anti-inflammatory [] <br> B]Antibacterial [] | C]Tranquillizer [] D]Antifungal [] | 114 |
| Q. 15 Orange-II is <br> A]Acid dye [] <br> B]Basic dye [] | C]Neutral dye [] D]Mordant dye [] | 114 |
| Q. 16 According to Witt's theory which of the following is responsible for colour. <br> A]Chromophore [] <br> B]Anxochrome [] | C]Metaphore [] <br> D]All of above [] | 114 |
| Q. 17 Methyl orange is prepared by the coupling reaction of diazotized sulfanilic acid A]Aniline [] <br> $B] N, N$ - dimethylaniline [] | C]N-Methylaniline [] <br> D]P-aminophenol [] | 114 |
| Q. 18 Diamond black- F is a $\qquad$ dye. <br> A]Direct [] <br> B]Developed [] | Clvat [] 14 D]Mordant [] | 114 |
| Q. 19 . $\qquad$ is a class of ephedrine alkaloid. <br> A]Pyrroline [] <br> B]Pyridine [] | C]Phenyl-ethyl amine [] D]Pyridine-pyrrolidine [] | 114 |
| Q. 20 <br> Presence of unsaturation in alkaloids is detected by using $\qquad$ reagent. <br> A) Alkaline $\mathrm{KMnO}_{4}$ <br> B) $\mathrm{Br}_{2} / \mathrm{CCI}_{4}$ <br> C) $\mathrm{H}_{2} / \mathrm{Ni}$ | $114$ | 114 |
| D) All of above |  |  |
| A]A [] <br> B]B [] | C]C [] <br> D]D [] |  |
| Q. 21 Generally alkaloids have $\qquad$ taste. <br> AlBitter [] <br> B]Sweet [] | ClSalty [] <br> D]Sour [] | 114 |
| Q. 22 Which of the following is water soluble vitamin ? <br> A]A [] <br> B]B [] |  | 114 |
| Q. 23 Ergocalciferol is also called as : <br> AlVit. A [] <br> B]Vit. B [] | $\begin{aligned} & \text { Clvit. C [] } \\ & \text { D]vit. D [] } \end{aligned}$ | 114 |
| Q. 24 Which of the following is an antihaemorrhagic vitamin ? <br> A]Vit. A1 [] <br> B]Vit. B1 [] | $\begin{aligned} & \text { ClVit. K[] } \\ & \text { D]Vit. E[] } \end{aligned}$ | 114 |
| Q. 25 DDT is $\qquad$ pesticide A]Insecticide [] B]Herbicide [] | C]Rodenticide [] D]Fungicide [] | 114 |
| Q. 26 BHC is also known as : <br> A]666 [] <br> B]Gammexane [] | C]Lindane [] D]All of above [] | 114 |
| Q. 27 . <br> A]A [] <br> B]B [] | $\begin{array}{ll} \operatorname{ClC}[ & 1 \\ \text { Dld n } \end{array}$ | 114 |
| Q. 28 Which metal complex is used in heart imaging process ? <br> A]Tc [] <br> B]Ru[] | $\begin{array}{lllll} \mathrm{ClSc}[] \\ \text { D]Ti[] } \end{array}$ | 114 |
| Q. 29 The surgeon removes cancer cells from body is called : <br> A]Surgery [] <br> B]Chemotherapy [] | C]Radiotherapy [] D]All the above [] | 114 |
| Q. 30 Chelation therapy is used to deliver $\qquad$ metals and remove $\qquad$ metals. <br> Altoxic, Non-toxic [] <br> B]toxic, toxic [] | C]Non toxic, toxic [] D]Non-toxic, Non-toxic [] | 114 |
| Q. 31 The inorganic complexes are used as drugs due to $\qquad$ bond. <br> A]lonic [] <br> B]Covalent [] | C]Hydrogen [] <br> D]Co-ordinate [] | 114 |
| Q. 32 An example of hexadentate ligand is : A]EDTA [] <br> B]en [] | C]Dipy [] D]Trien [] | 114 |
| The EAN of Ni in the complex ion $\left[\mathrm{Ni}\left(\mathrm{NH}_{3}\right)_{6}\right]^{2+}$ is <br> A) 35 <br> B) 34 <br> C) 38 <br> D) 36 | $114$ | $114$ |

The IUPAC name of $\mathrm{K}_{4}\left[\mathrm{Fe}(\mathrm{CN})_{6}\right]_{\text {is }}$ is:
A) Potassium pentacyanoferrate (II)
B) Potassium hexacyanoferate (II)
C) Potassium Pentacyanoferate (III)
(D) Potassium hexacyanoferate (III)
A]A []

D]D [

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        114
C]C []
D]D [
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        114
    B]B [
The coordination number of Fe in the given complex is ........
$\mathrm{K}_{3}\left[\mathrm{Fe}(\mathrm{CN})_{6}\right]$
A) 4
B) 6
C) 2
Q. 35 D) 8
A]A []
B]B []
Q. 36
Which of the following complexes doesnot show geometric isomerism?
A) $\mathrm{Ma}, \mathrm{b}_{2}$
B) $\mathrm{Ma}_{2} \mathrm{bc}$
C) Mabcd
D) $\mathrm{Ma}_{3} \mathrm{~b}$

A]A []
B]B []
How many chloride ions precipitated in the given complex by reaction with $\mathrm{AgNo}_{3}$ ?
$\left[\mathrm{CO}\left(\mathrm{NH}_{3}\right)_{4} \mathrm{Cl}_{2}\right] \mathrm{Cl}$.
A) 2
B) 1
Q. 37 D) 4

A]A []
B]B []
C]C [
D]D [
114



