Various Gazetted Posts Limited Recruitment / General Recruitment - Notification No.14/2019 - Revised Keys

Question Paper Name :	CHEM1
Subject Name :	Chemistry - I
Creation Date :	2020-09-23 18:11:00

Chemistry – I Asst. Chemist

Question Number : 35 Question Id : 1927323785 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33

Which one of the following complex ions is diamagnetic in nature?

Answer:

2. $[CuCl_4]^{3-}$

3. $[Ni(CN)_4]^{2-}$

Question Number : 78 Question Id : 1927323828 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33

Basic character of simple oxides of elements of second period

Answer:

2. Decreases across a period

Question Number : 90 Question Id : 1927323840 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33

The spin - only magnetic moment of $[Co(NH_3)_6]Cl_3$ is expected to be

Answer:

1. 0 B M

Question Number : 108 Question Id : 1927323858 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33

For elements having atomic number higher than 20,

2. $A > 2Z$

Answer:

Question Number : 123 Question Id : 1927323873 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33

Which of the following compounds can act as Lewis acids?

(i) CCl_4 (ii) NCl_3 (iii) CO_2 (iv) $SiCl_4$

Answer:

3. CO_2 and $SiCl_4$