



C) Rodenticides D) Insecticides

Ans: C

TNPSC-GROUP – II-2013

1. **The** oxidation states of nitrogen in the following equations are



	(X)	(Y)	(Z)
A)	+1	0	-3
B)	-1	1	-2
C)	-1	-2	-3
D)	-1	1	-3

Ans: D

2. During the oxidation of acidified ferrous ammonium sulphate with dichromate solution

- A) The oxidation number of chromium and iron changes from +6 to +3 and +3 to +2 respectively.
- B) The oxidation number of chromium and iron changes from +3 to +6 and +3 to +2 respectively.
- C) The oxidation number of chromium and iron changes from +6 to +3 and +2 to +3 respectively.
- D) The oxidation number of chromium and iron changes from +2 to +3 and +3 to +6 respectively.

Ans: C

3. Consider the following statements:

Assertion (A) : Copper is mainly used in Electrical Engineering Industry.

Reason (R) : Copper has the property of high conductivity.

- A) Both (A) and (R) are true and (R) explains (A) correctly.
- B) Both (A) and (R) are true but (R) does not explain (A)



- C) (A) is true but (R) is false
D) (A) is false but (R) is true

Ans: A

4. The Conjugate base of $[\text{Fe}(\text{H}_2\text{O})_6]^{+3}$ is
A) $[\text{Fe}(\text{H}_2\text{O})_5\text{OH}]^{+3}$ B) $[\text{Fe}(\text{H}_2\text{O})_5\text{OH}]^{+3}$
C) $[\text{Fe}(\text{H}_2\text{O})_5]^{+3}$ D) H_2O

Ans: B

5. **In** the extraction of iron from its Haematite ore, the flux added and gangue formed respectively are
A) Oxygen, iron oxide B) Carbon dioxide, iron carbonate
C) Silica, iron silicate D) Sulphur dioxide, iron sulphate

Ans: C

TNPSC-GROUP – II-A-2014

1. Match the following pollutants.
A) Gaseous pollutant 1) Anthrax
B) Metal pollutant 2) Chlorine
C) Deposited matter pollutant 3) Cadmium
D) Bio pollutant 4) Tar

Ans: A

2. The oxidation number of Mn in K_2MnO_4 is
A) +2 B) +4
C) +6 D) 0

Ans: C

3. **Which** of the following oxides of nitrogen is coloured?
A) N_2O B) N_2O_6
C) NO D) NO_2

Ans: D

4. **Colemanite** is an important mineral of



TNPSC-ASSITANT ENGINEER -2014

1. 'Green House effect' is caused by
A) Neon B) Helium
C) CO₂ D) Hydrogen
Ans: C
2. Select the correct answer from the following Wolframite is the ore of
Of
I. Tantalum II. Molybednum
III. Chromium IV. Tungsten
A) I B) II
C) III D) IV
Ans: D
3. Match the following and choose the correct one:
a) Lithium 1. Actinide
b) Iron 2. Lanthanide
c) Cerium 3. Transition metal
d) Thorium 4. Alkali metal
a b c d
A) 1 2 3 4
B) 4 3 2 1
C) 2 3 4 1
D) 3 4 1 2
Ans: B

TNPSC HEALTH OFFICER - 2015

1. The pyrimidine nitrogen bases are
I. Uracil
II. Thymine



C) CH₄

D) AlCl₃

Ans: D

3. Scientists have rewritten the genetic code of bacteria using synthetic chemicals to grow them. This is referred to as GMO, GMO stands for

- A) Genetically Manipulated Organisms
- B) Genetically Modified Organisms
- C) Globally Modified Organisms
- D) Genetically Modelled Organisms

Ans: B

TNPSC ASSIATANT STATISTICAL INVESTIGATOR – 2015

1. Which of the following is correctly matched?

- I. Haematite ore - Oxide of Iron
- II. Magnetite - Hydrated Iron - Oxide
- III. Limonite - Iron carbonate
- IV. Siderite - Black ore

- A) I B) II
- C) III D) IV

Ans: A

2. The Oxidation state of Ni in [Ni(CO)₄] is

- A. +4 B. +2
- C. +3 D. 0

Ans: D

3. Which of the following is incorrectly matched?

- A) Batholiths - Intrusive Igneous
- B) Laccolith - Extrusive Igneous
- C) Carbonaceous - Sedimentary
- D) Marble - Metamorphic



Ans: B

4. Consider the following statements:
a) Calcium is alkaline earth metal
b) Lithium is alkali metal
A) (a) alone is correct
B) (b) alone is correct
C) both (a) and (b) are correct
D) both (a) and (b) are wrong

Ans: C

5. Blood cancer can be detected by
I. $_{15}\text{P}^{31}$ II. $_{15}\text{P}^{32}$
III. $_{26}\text{Fe}^{59}$ IV. $_{11}\text{Na}^{24}$
A. I only B. II only
C. III only D. IV and II only

Ans: C



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