

## DAY #57 of Mission CDSE of Vision Defence Institute

### Chemistry

1. Consider the following statements,

I. Phosphorus occurs as free elements on earth

II. Vast majority of phosphorus compounds are consumed as fertilisers

III. Phosphorus is used in safety matches.

Which of the above statements are correct?

- a) I, II and III
- b) II and III
- c) I and III
- d) I only

2. Sulphur dioxide bleaches colouring matter by

- a) Decomposition
- b) Oxidation
- c) Reduction
- d) Dehydration

3. Consider the following statements

I. Sulphur occurs as free element in nature.

II. Sulphur in the form of sulphides is present in many types of meteoroids.

III. Sulphur is used to produce sulphuric acid

IV. Sulphur is used as fungicide and pesticide.

Which of the above statements are correct?

- a) I, II and III
- b) III and IV
- c) II and III
- d) I, II, III and IV

4. Burning of candle is a

- a) Chemical Change
- b) Physical Change
- c) Both a and b
- d) None of the above

5. In deep-sea diving, divers use a mixture of gases consisting of oxygen and

- a) Hydrogen
- b) Nitrogen
- c) Argon
- d) Helium

6. Which of the following are the two main constituents of granite?

- a) Iron and silica
- b) Iron and silver
- c) Silica and aluminium
- d) Iron oxide and potassium

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**7. Statement 1- Bleaching action of  $\text{SO}_2$  is temporary and by reduction.**

**Statement 2- The colour of material is regained due to oxidation by air.**

- a) Both the Statements 1 and 2 are individually true and Statement 2 is the correct explanation of Statement!
- b) Both the Statements are individually true but Statement 2 is not the correct explanation of Statement!
- c) Statement 1 is true, but Statement 2 false
- d) Statement 1 is false. but Statement 2 true

**10. Vinegar is prepared from**

- a) Acetic acid
- b) Ascorbic acid
- c) Malic acid
- d) Tartaric acid

**8. A group of students in a school laboratory burnt a magnesium ribbon during an experiment. They observed the magnesium burns to form magnesium oxide and produces heat and light. The experiment is an example of**

- a) Combustion
- b) Chemical reaction
- c) Burning
- d) Reduction

**9. The quantity of Petrol is measured in**

- a) cetane number
- b) gold number
- c) octane number
- d) None of the above

# **DAY #57 of Mission CDSE of Vision Defence Institute**

## **Current Affairs January 2020**

**1. When is the International day of Education is observed?**

- a) January 21
- b) January 24
- c) January 23
- d) January 27

**2. When is the National Voter's day observed in India?**

- a) January 25
- b) January 24
- c) January 23
- d) January 27

**3. Who has been recently awarded with the "Subash Chandra Bose Aapda Prabandhan Puraskar", 2020?**

- a) Vijay kumar
- b) Sylendra Babu
- c) Kumar Munnann Singh
- d) Naveen Kumar

**4. Which state has recently made reading of preamble to constitution as a mandatory practice in schools?**

- a) Tamilnadu
- b) Bihar
- c) Goas
- d) Madhya Pradesh

**5. Which organisation is set to develop the National Data and Analytics platform?**

- a) Ministry of Defence
- b) NITI Aayog
- c) Finance commission
- d) National Development council

**6. India has signed an agreement with which country to upgrade Ashuganj-Akhaura into 4-Lane highway?**

- a) Myanmar
- b) Bangladesh
- c) Sri Lanka
- d) Nepal

**7. What is the theme of the National Voter's day celebrated across the country?**

- a) Electoral Literacy for stronger democracy
- b) Voting rights for all
- c) Ethical Voting
- d) None of the above

**8. Recently the "Padi Yubbe Outdoor Stadium" has been launched in which state?**

- a) Sikkim
- b) Tamil Nadu
- c) Odisha
- d) Arunachal Pradesh

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**9. The Ganga Volga Dialogue of Civilization was held between India with which country to strengthen the strategic ties among them?**

- a) Japan
- b) France
- c) Brazil
- d) Russia

**10. Where is the headquarter of the World Customs Organization (WCO) based?**

- a) Brussels, Belgium
- b) London, United Kingdom
- c) Washington DC, United States
- d) Paris, France