

Day #34 Of 60 Mission CDSE of Vision Defence Institute

Chemistry

1. Which one of the following is the number of water molecules that share with two formula unit in plaster of Paris?

- a) one
- b) two
- c) five
- d) ten

2. How is carbon black obtained?

- a) By heating wood at high temperature in the absence of air
- b) By heating coal at high temperature in the absence of air
- c) By burning hydrocarbons in a limited supply of air
- d) by heating coal at high temperature in the presence of air

3. Which one of the following properties is not true for graphite?

- a) Hybridization of each carbon atom is sp^3
- b) Hybridization of each carbon atom is sp^2
- c) Electrons are delocalized over the whole sheet of atoms
- d) Each layer is composed of hexagonal rings

4. Which one of the following is the purest form of carbon?

- a) Charcoal
- b) Coke
- c) Fullerene
- d) Carbon black

5. Which one of the following is the cause of acid rains?

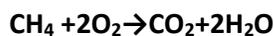
- a) Ozone
- b) Ammonia
- c) Sulphur dioxide
- d) Carbon monoxide

Ans: c. sulphur dioxide

6. What is the desirable range of pH for drinking water?

- a) 6.5 to 8.5
- b) 5.0 to 6.5
- c) 6.5 to 7.0
- d) 7.0 to 8.5

3. Consider the following reaction:



Which of the following about the reaction given above is/are correct?

- 1. Carbon is oxidised
- 2. Hydrogen is oxidized
- 3. Hydrogen is reduced
- 4. Carbon is reduced

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Select the correct answer using the code given below:

- a) Only 1
- b) 1 and 2
- c) 2 and 3
- d) 2 and 4

8. Which of the following statements about magnetite ore of iron is/are correct?

- 1. It is known as black ore**
- 2. It contains 60% to 70% of pure iron**
- 3. It possesses magnetic properties**

Select the correct answer using the code given below:

- a) Only 1
- b) 2 and 3
- c) 1 and 3
- d) All of these

9. Who among the following shared the nobel prize in 1962 along with Francis Crick and James Watson for their discoveries concerning the molecular structure of nucleic acids?

- a) Erwin Chargaff
- b) Maurice Hugh Frederick Wilkins
- c) Rosalind Franklin
- d) Phoebus Levene

10. Zinc is used to protect the iron from corrosion because of which one of the following reasons?

- a) More electropositive than iron
- b) Cheaper than iron
- c) A bluish whitemetal
- d) A good conductor of heat and electricity

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Current Affairs November 2019

1. The World Day for Audio-visual Heritage is observed every year on

- a) 27th October
- b) 29th October
- c) 2nd October
- d) 15th October

2. Sophie Wilmes, who is in news recently, has become the first female PM of which country?

- a) Sri Lanka
- b) Belgium
- c) Greece
- d) Portugal

3. As per which act, the Overseas Citizens of India (OCI) can now subscribe to National Pension System (NPS)?

- a) Banking Regulation Act
- b) RBI Act
- c) PFRDA Act
- d) Citizenship act

4. Sakhalin Oil Field, sometimes seen in news, is situated in which country?

- a) Saudi Arabia
- b) Indonesia
- c) Russia
- d) Vietnam

5. The 'Ek Bharat Shreshth Bharat Parv - 2019' is being organized under which union ministry?

- a) Ministry of Human Resource Development
- b) Ministry of Culture
- c) Ministry of Tourism
- d) Ministry of Skill development

6. Which state has become the India's first State to enact a law on contract farming?

- a) Karnataka
- b) Tamil Nadu
- c) Gujarat
- d) Sikkim

7. "Sycamore" is associated with

- a) Google
- b) Microsoft
- c) Facebook
- d) Twitter

8. Where is the headquarters of International Civil Aviation Organization (ICAO)?

- a) Geneva
- b) Montreal
- c) Paris
- d) New York

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9. Which state celebrated the Tawang Festival 2019?

- a) Tripura
- b) Nagaland
- c) Arunachal Pradesh
- d) Assam

10. Which Indian personality has been honoured with Youth Icon Award from London's Imperial College?

- a) Kajol Devgan
- b) Amitabh Bachchan
- c) Vidya Balan
- d) Priyanka Chopra

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