

September 18, 2019

Q.1) Consider the following statements with respect to 'Rustom-2'

1. It is developed by Defence Research and Development Organisation.
2. It is a Medium Altitude Long Endurance unmanned air vehicle (UAV).

Select the correct statements

- a) 1 Only
- b) 2 Only
- c) Both 1 and 2
- d) Neither 1 nor 2

Q.1) Solution (c)

Rustom 2 is a medium altitude UAV manufactured by the DRDO for the army, navy and air force.

Q.2) Consider the following statements with respect 'Collective Security Treaty Organization (CSTO)'

1. It is an intergovernmental counter-terrorist alliance of countries in the Muslim world, united around military intervention against ISIL and other counter-terrorist activities.
2. Most of its participants are members of the Organisation of Islamic Cooperation.

Select the correct statements

- a) 1 Only
- b) 2 Only
- c) Both 1 and 2
- d) Neither 1 nor 2

Q.2) Solution (d)

The Collective Security Treaty Organization is an intergovernmental military alliance that was signed on 15 May 1992.

In 1992, six post-Soviet states belonging to the Commonwealth of Independent States—Russia, Armenia, Kazakhstan, Kyrgyzstan, Tajikistan, and Uzbekistan—signed the Collective Security Treaty (also referred to as the "Tashkent Pact" or "Tashkent Treaty").

September 18, 2019

Three other post-Soviet states—Azerbaijan, Belarus, and Georgia—signed the next year and the treaty took effect in 1994.

Five years later, six of the nine—all but Azerbaijan, Georgia, and Uzbekistan—agreed to renew the treaty for five more years, and in 2002 those six agreed to create the Collective Security Treaty Organization as a military alliance. Uzbekistan rejoined the CSTO in 2006 but withdrew in 2012.

Q.3) Consider the following statements with respect to 'Sa-Dhan'

1. It is an association of microfinance institutions (MFIs).
2. Reserve Bank of India (RBI) had accorded it the status of a self-regulatory organization (SRO).

Select the correct statements

- a) 1 Only
- b) 2 Only
- c) Both 1 and 2
- d) Neither 1 nor 2



Q.3) Solution (c)

Sa-Dhan is Reserve Bank of India (RBI) recognised self-regulatory organisation and industry association for the microfinance industry.

Microfinance Institutions Network (MFIN) and Sa-Dhan, the RBI-recognised self-regulatory organisation and industry association for the microfinance industry, along with FIDC, have jointly released the 'Code for Responsible Lending' (CRL) for the micro credit industry.

The CRL is sector-specific and entity-agnostic. In addition to the CRL, a revised industry Code of Conduct (CoC) was also released for Microfinance Institutions (MFIs) that will act as a binding and compulsory set of principles with respect to lending practices.

Q.4) 'Nameri National Park' is located in

- a) Assam
- b) Manipur
- c) Uttarakhand
- d) Madhya Pradesh

Q.4) Solution (a)

Nameri National Park is a national park in the foothills of the eastern Himalayas in the Sonitpur District of Assam.

Q.5) Which of the following statements are correct about Pyrolysis?

1. It is process of combustion in the presence of Oxygen.
2. The gases produced as a result can be used as a fuel.

Select the code from below:

- a) 1 Only
- b) 2 Only
- c) Both 1 and 2
- d) Neither 1 nor 2

Q.5) Solution (b)

Pyrolysis is a form of treatment that chemically decomposes organic materials by heat in the absence of oxygen. Pyrolysis typically occurs under pressure and at operating temperatures above degrees celsius. In practice, it is not possible to achieve a completely oxygen-free atmosphere. Because some oxygen is present in any pyrolysis system, a small amount of oxidation occurs. If volatile or semi-volatile materials are present in the waste, thermal desorption will also occur.

Organic materials are transformed into gases, small quantities of liquid, and a solid residue containing carbon and ash. The off-gases may also be treated in a secondary thermal oxidation unit.