

January 31, 2018

Q.1) Consider the following statements about the recently launched high performance computer (HPC) system 'Mihir'.

1. It is launched by Ministry of Earth Science
2. It is dedicated to weather and climate forecasts

Select the correct statements

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

Q.1) Solution (c)

In an initiative to improve India's weather forecasting, the ministry of earth science (MoES) on Tuesday launched a high performance computer (HPC) system named Mihir.

The HPC will be India's largest in terms of peak capacity and performance and will propel the country's ranking from the 368th position to the top 30 in list of HPC facilities across the world.

India will now also be ranked 4th, after Japan, UK and US for dedicated HPC resources for weather/climate community.

The facility was launched at the National Centre for Medium Range Weather Forecasting in Noida.

The facility is expected to improve weather forecasts at the block level across India, predict extreme weather events, and offer high resolution seasonal and extended range forecasts of active/break spells of the monsoon.

The facility will also make possible very high resolution coupled models for prediction of cyclones with more accuracy and lead time. Further, the services that will improve with the new facility are ocean state forecasts including marine water quality forecasts at very high resolution, tsunami forecasts with greater lead time, air quality forecasts for various cities and climate projections at very high resolution.

Source: <http://pib.nic.in/newsite/PrintRelease.aspx?relid=176000>

Q.2) What is "virtual private network"?

IASbaba's Daily Quiz

January 31, 2018

- a) It is a private computer network of an organization where the remote users can transmit encrypted information through the server of the organization.
- b) It is a computer network across a public internet that provides users access to their organizations network while maintaining the security of the information transmitted.
- c) It is a computer network in which users can access a shared pool of computing resources through a service provider.
- d) None of the statements given above is correct description of virtual private network.

Q.2) Solution (b)

A virtual private network (VPN) extends a private network across a public network, and enables users to send and receive data across shared or public networks as if their computing devices were directly connected to the private network. Applications running across the VPN may therefore benefit from the functionality, security, and management of the private network.

VPN is all about maintaining privacy over the public internet.

Q.3) With reference to the United Nations Convention on the Rights of the Child, consider the following:

1. The Right to Development
2. The Right to Expression
3. The Right to Recreation

Which of the above is/are the Rights of the child?

- a) 1 and 2
- b) 1 and 3
- c) 2 and 3
- d) 1, 2 and 3

Q.3) Solution (d)

The United Nations Convention on the Rights of the Child (commonly abbreviated as the CRC or UNCRC) is a human rights treaty which sets out the civil, political, economic, social, health and cultural rights of children. The Convention defines a child as any human being

January 31, 2018

under the age of eighteen, unless the age of majority is attained earlier under national legislation.

Nations that ratify this convention are bound to it by international law. Compliance is monitored by the UN Committee on the Rights of the Child, which is composed of members from countries around the world.

All are correct.

Read More - https://www.unicef.org/crc/files/Rights_overview.pdf

Q.4) Which of the following is known as Berne and Paris-plus agreement?

- a) WIPO
- b) TRIPS
- c) Sustainable Development Goals
- d) UNFCC

Q.4) Solution (b)

The TRIPS Agreement says WTO member countries must comply with the substantive obligations of the main conventions of WIPO — the Paris Convention on industrial property, and the Berne Convention on copyright (in their most recent versions).

With the exception of the provisions of the Berne Convention on moral rights, all the substantive provisions of these conventions are incorporated by reference. They therefore become obligations for WTO member countries under the TRIPS Agreement — they have to apply these main provisions, and apply them to the individuals and companies of all other WTO members.

The TRIPS Agreement also introduces additional obligations in areas which were not addressed in these conventions, or were thought not to be sufficiently addressed in them.

The TRIPS Agreement is therefore sometimes described as a “Berne and Paris-plus” Agreement.

Q.5) Lisbon treaty is related to

- a) European Union
- b) MERCOSUR

IASbaba's Daily Quiz

January 31, 2018

- c) African Union
- d) Trans-Pacific Partnership

Q.5) Solution (a)

The Treaty of Lisbon (initially known as the Reform Treaty) is an international agreement that amends the two treaties which form the constitutional basis of the European Union (EU). The Treaty of Lisbon was signed by the EU member states on 13 December 2007, and entered into force on 1 December 2009. It amends the Maastricht Treaty (1993), known in updated form as the Treaty on European Union (2007) or TEU, and the Treaty of Rome (1957), known in updated form as the Treaty on the Functioning of the European Union (2007) or TFEU. It also amends the attached treaty protocols as well as the Treaty establishing the European Atomic Energy Community (EURATOM).

