IES GS

DAILY QUIZ AUGUST-2017

ICT

Q1.Ans B

Explanation:

- Cert-Fin will act as an umbrella Cert for the financial sector and report to Indian Computer Emergency Response Team (Cert-In) at the national level, in accordance with the information technology Act and rules.
- Cert-Fin is recommended as an independent body
- Other than a bank-Cert (which would be the Reserve Bank of India), there will be a securities-cert, insurance-cert and pension-cert also under the fin-CERT

Q2.Ans: C

- A Research based initiative of integrating Air Quality with Health Advisories and Food Security.
- A dedicated Air Quality Information Service for Indian Metropolitan Cities to make India self sufficient
- in providing frontier research based Scientific accredited robust Air Quality Forecasting system.

Q3.Ans: D

Explanation:

It Is a type of unregulated, digital money, which is issued and usually controlled by its developers, and used and accepted among the members of a specific virtual community.Means not only hackers, but anyone can use.

It uses blockchain algorithms

It is not regulated and India not banned but RBI recommended its restriction

Q4.Ans: B

Explanation:

This is an algorithm and not under any authority

It is a distributed database that is used to maintain a continuously growing list of records, called *blocks*. Each block contains a timestamp and a link to a previous block. A block chain is typically managed by a user to user network collectively adhering to a protocol for validating new blocks

Q5.Ans: D
- To observe cloud and rain processes over the region in Western Ghats
- To improve the skill of rainfall prediction for severe weather phenomena viz, heavy rainfall, thunderstorm etc., not only over Kerala but for the whole country
- Another High altitude cloud physics laboratory is functional at Mahabaleshwar (Konkan)

Q6.Ans: D
Under PMO:
Personnel, Public Grievances and Pensions
Department of Atomic Energy
Department of Space
Sriharikota High Altitude Range (SHAR) is a sole rocket launch station

Q7.Ans : B
Odometry is the use of data from motion sensors to estimate change in position over time.

Q8.Ans : D

Q9.Ans D
The Israeli 'Spike MR' missile, has a range of up to 2.5 km. The Indian Army has already carried out trials of `Spike MR' to its satisfaction.The Spike MR is a portable multi-purpose electro-optical missile weapon system. The 'fire and

forget' missile can be deployed from a tripod, vehicles, helicopters and marine vessels.

It's part of make in India initiative and comes with technology transfer

Q10.Ans: C

Q11.Ans: C

- It consists of seven satellites in a constellation to provide Position, Navigation and Timing (PNT) services in Indian mainland and surrounding region up to 1500 Km.
- It provides two types of services viz. Standard Positioning Service (SPS) and Restricted Service (RS).
- It can support commercial civil applications.

Q12.Ans: C

NASA-ISRO Synthetic Aperture Radar (NISAR) mission

ISRO and NASA have a framework agreement for cooperation in the exploration and use of outer space for peaceful purposes signed in 2008.

- NISAR mission is to co-develop and launch a dual frequency synthetic aperture radar satellite.
- NASA is responsible for development of L-band SAR and ISRO is responsible for development of S-band SAR.

Q13.Ans: C

- SAR uses the motion of the radar antenna over a target region to provide finer spatial resolution than conventional beam-scanning radars.

Q14.Ans:D

- Teleportation is possible using a process called 'quantum entanglement'
- The particles share their 'quantum states' — such as energy, motion and magnetic field — regardless of the distance separating them.

Q15.Ans: D

NavIC – updates

All three rubidium atomic clocks on IRNSS-1A failed in mid-2016. Indian Space Research Organisation will soon launch a replacement navigation satellite fitted with corrected atomic clocks

- ISRO continues to use all seven satellites and still send low-powered messages and weather data that are useful to fishermen
- Without the clocks, IRNSS-1A gives a coarse value that cannot be used for functions that need precise data.

Q16.Ans: B

- The second edition organised in Yangon
- This first edition of this unique conference, representing various religions and traditions, was held in New Delhi in 2015
- "Samvad" means "dialogue"

Q17.Ans:C

Team at spaceX and Tesla developed this idea owned by Elon musk. First trails are going on in US

Q18.Ans: D

The Google Tax was announced to introduce a tax on the income as accrue to a foreign e-commerce company outside of India.

According to the Budget announcement, any person or entity that makes a payment exceeding Rs 1 lakh in a financial year to a non-resident technology company will now need to withhold 6% tax on the gross amount being paid as an equalisation levy.

The said rule is applicable when the payment is made to companies that don't have a permanent establishment in India

But in case of virtual currency like Bitcoins, government is very apprehensive because it can be used for unaccounted money.

Q19.Ans: D

Explanation

The Indian Space Research Organisation (ISRO) plans to launch a full-fledged niche Earth observation (EO) satellite — called the Hyperspectral Imaging Satellite or HySIS by using a critical chip called as "optical imaging detector array" developed by ISRO.which Monitors the environment, crops, looking for oil and minerals and military surveillance.

Q20.Ans-B

Q21.Ans: B
Only private teams can participate but not the government assisted teams. This space Crazy should travel at least 500m, should send a high definition video and images.

Q22.Ans: B
Google genomics enables users to store, search and run virtual simulations.
Liftware spoon is to assists Parkinson's patients suffering from tremors, But Alzheimer disease is related to memory los

Q23.Ans: D

Department of Electronics & Information Technology, Govt. of India had notified setting up of ITIRs near Bengaluru and Hyderabad in 2009.

- The State Government would play the lead role in setting up of the ITIR, while the centre pays the viability gap funding.
- To promote investment in the Information Technology (IT) / Information Technology Enabled Services (ITES)/ Electronic Hardware Manufacturing (EHM) units
- ITIRs will be self contained integrated township

Q24.Ans: B

It uses radio waves for heating.

Unlike traditional processing methods, where packages are in pressure cookers for up to an hour until both bacteria and nutrients are largely gone, the dishes retain their natural flavor and texture

Amazon.com Inc is exploring this technology for its grocery business

Q25.Ans: C

Remote sensing is the art and science of making measurements of the earth using sensors on airplanes or satellites. These sensors collect data in the form of images and provide specialized capabilities for manipulating, analyzing, and visualizing those images.

A geographic information system (GIS) is a computer-based tool for mapping and analyzing feature events on earth. GIS technology integrates common database operations, such as query and statistical analysis, with maps.

Q26.Ans D

- GARV-II will provide real time data for all six lakh villages in the country

- ARUN – Atal Rooftop solar User Navigator - To manage and monitor the installation of solar rooftop system
- TARANG(Transmission App for Real Time Monitoring & Growth) is a monitoring tool that tracks upcoming transmission projects and monitor the progress of Inter-State & Intra-State transmission systems in the country
- DEEP (Discovery of Efficient Electricity Price) e-Bidding' portal will provide a common e-bidding platform with e-reverse auction facility to facilitate nation-wide power procurement

Q27.Ans: B

- Building machines to create not only their own music but also to make so many other forms of art, including sketches, videos and jokes
- This can be done by analysing a set of songs, for instance, they can learn to build similar sounds.

Q28.Ans: B

In general, a smartphone will be based on an operating system that allows it to run applications. Apple's iPhone runs the iOS, and BlackBerry smartphones run the BlackBerry OS. Other devices run Google's Android OS, HP's webOS, and Microsoft's Windows Phone.

Q29.Ans: A

Feature phones lay somewhere between a mobile phone and a smartphone. They are often designed around one or more stand-out features: the ability to capture high-res images, listen to music with enhanced sound quality, charge via a built-in solar panel or connect to social networks via built-in apps. As technology advances feature phones have become more and more like smartphones, with a growing set of features.

Q30.Ans: C

A smartphone will be based on an operating system like computers that allows it to run applications.

Q31.Ans: D

LTE

- Stands for Long Term Evolution
- Increases bandwidth available for voice and data communications
- It's the upgrade path for both GSM and CDMA based networks

Q32.Ans: D

Scientist Mr. Agabi invented Koniku Kore device which is "a world first" device that can breathe in and smell the air.

In a first, scientists have developed a marimba-playing robot that uses artificial intelligence to create its own music this year

An experiment of the Brain Gate system, in which a computer decodes neural signals in real-time, with the help of a 4 millimeter-wide chip implanted in the brain, two stroke victims used their minds to command a robotic arm.

Q33.Ans: C

- The carbon nanotube has been termed the "ultimate fiber" and is extremely promising as reinforcement in composite materials.
- Nanotube displays in future would be cheaper and will have lower power requirements than CRT and liquid crystal displays.
- carbon nanotube pores can exclude salt from seawater

Q34.Ans: D

A BCI is a computer-based system that acquires brain signals, analyzes them, and translates them into commands that are relayed to an output device to carry out a desired action. Thus, BCIs do not use the brain's normal output pathways of

peripheral nerves and muscles. For example, a voice-activated or muscle-activated communication system is not a BCI. Furthermore, an electroencephalogram (EEG) machine alone is not a BCI because it only records brain signals but does not generate an output that acts on the user's environment. It is a misconception that BCIs are mind-reading devices. Brain-computer interfaces do not read minds in the sense of extracting information from unsuspecting or unwilling users but enable users to act on the world by using brain signals rather than muscles. The user and the BCI work together. The user, often after a period of training, generates brain signals that encode intention, and the BCI, also after training, decodes the signals and translates them into commands to an output device that accomplishes the user's intention.

Q35.Ans: A
Low energy consumption, antifouling and self-cleaning functions have made CNT membranes extraordinary over the conventional ones.
CNT-membranes provide near frictionless water flow through them with the retention of a broad spectrum of water pollutants. The high aspect ratios, smooth hydrophobic walls and inner pore diameter of CNTs allow ultra efficient transport of water molecules.

Q36.Ans: C
Explanation:
The Project is designed to develop its ability to explore Space. They will dock with the experimental Tiangong 2 space lab and spend 30 days there, the longest stay in space by Chinese astronauts

Q37.Ans: D
All others are different versions of android Operating system, which are generally named after sweets
But the last one is famous McDonald item