

Q1. What are the functions of fin-CERT?

1. Will act as an umbrella Computer Emergency Response Team for the financial sector
2. Will report to the CERT-In(The Indian Computer Emergency Response Team)
3. It works under the control of RBI

- A) 1&3
B) 1&2
C) Only 1
D) 1, 2&3

Q2. What is SAFAR?

- A) Indian weather forecasting system
B) The GPS based tool for rescue operations in the oceans
C) Air quality information service
D) All of the above

Q3. Which of the below is correct about Bitcoin

1. This is a virtual currency used only by hackers
2. It uses blockchain algorithms
3. It's use is regulated by world Bank and India has recognized it's use

- A) Only 1
B) 2&3.
C) 1&3.
D) Only 2

Q4. Which of the following is correct about blockchain?

1. It is under control of central banks in every country
 2. It is a distributed database to maintain growing list of records
- A) Only 1
B) Only 2.
C) Both 1&2.
D) None

Q5. A high altitude cloud physics observatory Established to

- A) To observe cloud and rain processed over Western ghats
B) To improve the rainfall prediction, for the whole country
C) This is not the first cloud observatory
D) All

Q6. Choose the correct answer

- A) Department of space is directly under PMO
B) Indian version of geo positioning system is NAVIC
C) Presently ISRO has launch station only at one place
D) All

Q7. The term 'odometry' often heard in driverless cars, refers to

- A) Directional guide to the passengers
B) Estimation of position change with time, using sensors data
C) Controlling vehicle direction remotely from the master control room
D) All

Q8. Choose correct answer

- A) CRISPR "Gene editing" Technique is used in engineering babies
B) The parent babies related to mitochondrial DNA change
C) Coconut tree is state tree for both Kerala and Goa

D) All

Q9. Which is correct about Kalyani Rafael Advanced Systems (KRAS) manufacturing centre opened recently in Hyderabad?

1. It manufactures the Israeli 'Spike MR' missile
2. Spike MR is an anti tank guided missile
3. It is part of make in India initiative

- A. 1&3
B. 2&3
C. 1&2
D. 1,2&3

Q10. Match the below

GPS system

1. GPS
2. GLONASS
3. BeiDou
4. Galileo

Developing Country

- A. USA
- B. European Union
- C. Russia
- D. China

- A. 1-A,2-B,3-C,4-D
B. 1-A,2-C,3-B,4-D
C. 1-A,2-C,3-D,4-B
D. 1-A,2-B,3-D,4-C

Q11. Which of the below are correct about NavIC

1. It consists of seven satellites in a constellation
2. It provides Standard Positioning Service (SPS) and Restricted Service (RS).

A) Only 1 b) only 2 c) both 1&2 d) none

Q12. Which of the below correct about NISAR

- A) It is a government initiative to treat people with vision problem for free of cost
- B) New IT enabled device to improve governance
- C) Synthetic Aperture Radar mission between ISRO and NASA
- D) None

Q13. Assertion A: Synthetic aperture radar provide finer spatial resolution than conventional radars.

Reasons R: It is made up of special material that will absorb more incoming signals

- A. Both A&R are correct and R is correct explanation
- B. Both are correct bit R is not correct explanation
- C. A is correct R is wrong
- D. A is wrong, R is right

Q14. Which of the below are correct

- A. Teleportation or teletransportation is the theoretical transfer of matter or energy from one point to another without traversing the physical space between them
- B. Teleportation is possible using a process called 'quantum entanglement'
- C. *Micius* is the the world's first quantum-enabled satellite launched by China
- D. all above are correct

Q15. observe the below statements

1. The Indian Regional Navigation Satellite System (IRNSS) operational name is NAVIC
2. The constellation is already in orbit and system is expected to be operational from early 2018
3. ISRO used three rubidium atomic clocks

4. The National Physical Laboratory (NPL) is only agency in India authorized to maintain Indian Standard Time (IST)

- A) Only 1&2
- B) 1, 2&3
- C) 2,3&4
- D) 1,2,3&4

Q16. Choose correct one about “samvad”

- A) This is a unique conference, coordinating among many countries in defence field
- B) It is a global Initiative on Conflict Avoidance and Environment Consciousness
- C) It is a conference about growing cyber attacks in the world
- D) It is a conference about growing terrorism threat to the world

Q17. Find the odd one out related to hyperloop

- A. It is started by Elon Musk of Tesla
- B. It is to reduce time travel on the Earth
- C. It uses magnetic levitation as in bullet trains
- D. It is tested in USA

Q18. Which is **not** correct from below answers

- A. Applications like Facebook and YouTube playing vital role in spreading digital literacy
- B. These companies are not taxed in the income generated countries, thus India imposed ‘Google tax’.
- C. E-commerce sector is main beneficiary of this digital revolution in india
- D. In line with digital India initiative, government actively promoting Digital currency use like Bitcoins

Q19. What are the advantages of the hyperspectral imaging, that was recently in news?

- A) Monitoring the environment, crops, looking for oil and minerals and military surveillance.
- B) Provides more detailed information than a normal color camera.
- C) It uses a critical chip called as “optical imaging detector array” developed by DRDO.
- D) It is a full-fledged niche Earth observation (EO) satellite.

Which of the following are correct below?

- 1. A only
- 2. A and B only
- 3. A, B and C
- 4. A, B and D

Q20. Match the below

| Trainsystem. | Country |
|----------------|------------|
| 1. Transrapid. | a. USA |
| 2. Shinkansen. | b. India |
| 3. Gatiman. | c. Japan |
| 4. Hyperloop. | d. Germany |

- A. 1-a, 2-c, 3-d, 4-b
- B. 1-d, 2-c, 3-b, 4-a
- C. 1-b, 2-c, 3-a, 4-d
- D. 1-c, 2-b, 3-d, 4-a

Q21. Regarding Google Lunar X prize

- 1. competition for anyone to put a spacecraft on the moon

2. It has to beam back high definition video and images to win the challenge
Which of the above is/are true?

A) Only 1. B) only 2. C) both 1&2. D) none

Q22: which of the below are correct matched

1. Project Soli - allow interactions in virtual environment
2. Google genomics - About human genome decoding
3. Google Deepmind - related to artificial intelligence algorithms
4. Liftware spoon - Will be useful for Alzheimer's patients

A)1&2. B) 1&3. C) 1,3 & 4. D) 1,2 & 3

Q23. Which of the below are correct about Information Technology Investment Region (ITIR)

- A. The central Government would play the lead role in setting up of the ITIR
- B. Two such centers are coming up at Chennai and Bangalore
- C. It is to promote cutting edge research in the Information technology
- D. None

Q24. Which of the below correct about microwave oven

- A. This used UV waves for heating
- B. Natural flavor and texture are retained after heated in microwave oven
- C. Flipkart is using this technology to preserve its grocery
- D. All

Q25. choose the correct one from below

1. A geographic information system (GIS) is the art and science of making measurements of the earth using sensors on airplanes or satellites.

2. Remote sensing is a computer-based tool for mapping and analyzing feature events on earth.

A. Only 1 B) only 2 C) both 1&2 D) none

Q26. Match the following

- | | |
|------------|-------------------------------------|
| 1. GARV-II | a. Power procurement |
| 2. ARUN | b. data about rural electrification |
| 3. TARANG | c. power transmission |
| 4. DEEP | d. solar rooftops |

A. 1-a;2-b;3-c;4-d

B. 1-b;2-d;3-a;4-c

C. 1-d;2-c;3-b;4-a

D. 1-b;2-d;3-c;4-a

Q27. Project Magenta of Google is about

- A. To connect major Indian railway stations with internet access
- B. To build machines that can create art
- C. To create machines that can identify neural problems
- D. None

Q28. Which of the following is correct about a smart phone?

- 1. will be based on an Android operating system
 - 2. A smart phone is a combination of a cell phone and a PDA(Personal Digital Assistant) device
- A)1 only B)2 only C)1&2 D)None

Q29. What is the difference or similarity between a feature phone and a smart phone?

- A. Both can be used to connect to internet
- B. Only a smart phone can support apps
- C. Feature phone can only be used to make a phone call and send text messages
- D. Only smart phones have touch screen display

Q30: Which of the following is correct about a smart phone?

- 1. It uses an advanced computing system as in computers
 - 2. A smart phone is a combination of a cell phone and a PDA(Personal Digital Assistant) device
- A. 1 only B)2 only C)1&2 D)None

Q31: Find incorrect statement about the 'jio phone'

- A. Is a 4G LTE phone
- B. supports all 24 Indian languages
- C. Phone has NFC (Near Field Communication) support
- D. Has biometric readers

Q32. Find the correct statements about the advancements in robotics in recent times

- 1. Robots can detect smells
 - 2. Robots can create music
 - 3. Robots can be controlled using mind signals of users
- A. Only1 B) Only 2 C) 1&2 D) 1,2&3

Q33: Carbon nanotubes can be used in

1. Desalination of water
 2. Displays in electronic gadgets
 3. As reinforcement in composite materials
- A. 1&2 B) only 1 C)1,2&3 D) None

Q34: What is a 'Brain Computer Interface'?

- A. Device which use the brain's normal output pathways to make a robotic arm work
- B. Is an advanced electroencephalogram (EEG) machine
- C. Is a mind-reading device
- D. Is a system that can decode the brain signals and translates them into commands to an output device

Q35. Carbon nanotubes in water treatment is a game changer because

- A) They provide a low energy solution for water treatment
- B) Can give 100% pure and safe water
- C) Can remove heavy metals and also disinfect microbes, for which no other technology available now
- D)Is the only commercially applicable Nano filtration method

Q36. Which of the following statement about Shenzhou-11 is correct?

1. It is China's permanent space Mission
2. It is Japan's first Manned Space Mission
3. It is China's longest manned space mission
4. It is North Korea's Maiden Mars Mission

Q37. Find odd one out about android version

- A. Nougat
- B. Donut
- C. Lollipop
- D. Mc D

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