

IASbaba's Daily Quiz

January 18, 2017

Q.1) Consider the following statements about asteroids

1. Psyche 16 is the largest S-type asteroid
2. S-type asteroids are the most common variety, forming around 75% of known asteroids

Which of the following statements is/are correct?

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

Q.2) Solution (d)

- 16 Psyche is one of the ten most-massive asteroids in the asteroid belt. It is over 124 miles (200 km) in diameter and contains a little less than 1% of the mass of the entire asteroid belt. Some astronomers believe it may be the exposed iron core of a protoplanet. It is the most massive metallic M-type asteroid. Psyche was discovered by the Italian astronomer Annibale de Gasparis on 17 March 1852 from Naples and named after the Greek mythological figure Psyche.
- 16 Psyche is the largest M-type asteroid, and does appear to be metallic. 21 Lutetia, an anomalous, probably non-metallic body, was the first M-type asteroid to be imaged by a spacecraft when the Rosetta space probe visited it on July 10, 2010. Another M-type, 216 Kleopatra, was imaged by radar by the Arecibo Observatory in Puerto Rico and has a dog bone-like shape.
- C-type asteroids are carbonaceous asteroids. They are the most common variety, forming around 75% of known asteroids
- S-type asteroids, or siliceous asteroids, are of a stony composition, hence the name. Approximately 17% of asteroids are of this type, making it the second most common after the C-type.

In News - <http://www.ibtimes.co.in/nasa-explore-giant-asteroid-16-psyche-solve-its-mysteries-712004>

Q.2) 'Raisina Dialogue' is organised by

- a) Ministry of External Affairs
- b) Observer Research Foundation
- c) Both (a) and (b)

IASbaba's Daily Quiz

January 18, 2017

d) None of the above

Q.2) Solution (c)

The conference, organized like the Shangri-La Dialogue in Singapore, is held jointly by Ministry of External Affairs, India and the Observer Research Foundation (ORF), an independent think tank based in India.

In News - <http://www.financialexpress.com/india-news/shashi-tharoor-hails-narendra-modis-raisina-dialogue-welcomes-pms-foreign-policy/512251/>

Q.3) Consider the following statements about Hybrid Cloud

1. It is a cloud computing environment which uses a mix of on-premises, private cloud and third-party, public cloud services with orchestration between the two platforms.
2. It gives businesses greater flexibility and more data deployment options.
3. It can be used for big data processing

Which of the following statements is/are correct?

- a) 1 and 2
- b) 2 and 3
- c) 1 and 3
- d) All of the above

Q.3) Solution (d)

- It is a cloud computing environment which uses a mix of on-premises, private cloud and third-party, public cloud services with orchestration between the two platforms.
- By allowing workloads to move between private and public clouds as computing needs and costs change, hybrid cloud gives businesses greater flexibility and more data deployment options.
- Hybrid cloud is particularly valuable for dynamic or highly changeable workloads. It can be used for big data processing. A company, for example, could use hybrid cloud storage to retain its accumulated business, sales, test and other data, and then run analytical queries in the public cloud, which can scale to support demanding distributed computing tasks.

Read More - <http://searchcloudcomputing.techtarget.com/definition/hybrid-cloud>

IASbaba's Daily Quiz

January 18, 2017

In News - <http://indianexpress.com/article/technology/tech-news-technology/microsoft-offers-to-collaborate-with-andhra-pradesh-on-e-governance-cyber-security-4479995/>

Q.4) 'Mission 41K' and 'Mission Raftaar' is concerned with

- a) Ministry of Road Transport and Highways
- b) Ministry of Power
- c) Ministry of Railways
- d) Both (a) and (c)

Q.4) Solution (c)

Mission 41K - A plan that would save Rs 41,000 crore over 10 years through an integrated energy management system

In this initiative, railways will electrify 24,000 km of rail tracks over the next five years by doubling the annual rate of electrification from 2,000 km to 4,000 km in the next two years.

Mission Raftaar - Raise average speed of both passenger carrying trains and freight carrying trains

In News - http://www.business-standard.com/article/economy-policy/suresh-prabhu-unveils-mission-41k-energy-plan-for-railways-117011800230_1.html

Q.5) 'Einstein's Enigma or Black Holes in My Bubble Bath' is written by

- a) C.V. Vishveshwara
- b) S. Ramanujan
- c) C. V. Raman
- d) S. N. Bose

Q.5) Solution (a)

C. V. Vishveshwara was an Indian scientist and black hole physicist. Specializing in Einstein's General Relativity, he worked extensively on the theory of black holes and made major contributions to this field of research since its very beginning.

IASbaba's Daily Quiz

January 18, 2017

He has written several books to popularise his area of work that are widely read, one of which is 'Einstein's Enigma, or, Black Holes in My Bubble Bath'.

In News – www.thehindu.com/sci-tech/science/C.V.-Vishveshwara-the-'black-hole-man-of-India'-is-no-more/article17049343.ece



IASbaba's Daily Quiz

January 18, 2017

