

**Q.1) Consider the following statements about NISAR**

1. It is indigenously being developed by ISRO
2. It will be used to create two - or three-dimensional images of the landscapes

**Select the correct statement**

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

**Q.1) Solution (b)**

The NASA-ISRO Synthetic Aperture Radar (NISAR) mission is a joint project between NASA and ISRO to co-develop and launch a dual frequency synthetic aperture radar satellite. The satellite will be the first radar imaging satellite to use dual frequency and it is planned to be used for remote sensing to observe and understand natural processes of the Earth.

Synthetic-aperture radar (SAR) is a form of radar that is used to create two- or three-dimensional images of objects, such as landscapes.

The NISAR satellite is scheduled to be launched from India four years from now, will be using the (GSLV) Geo-Synchronous Satellite Launch Vehicle

NISAR would require two frequency RADARs: an L-band 24 centimetres and a S-band 13. S-band is being built by ISRO while NASA is taking the responsibility for the L-band by NASA.

Source: <http://pib.nic.in/newsite/mbErel.aspx?relid=147437>

**Q.2) Consider the following statements about "NavIC"**

1. It's main objective is to provide Satellite-based Navigation services with accuracy and integrity required for civil aviation applications and to provide better Air Traffic Management over Indian Airspace
2. It is based on the Indian Regional Navigational Satellite System (IRNSS)

**Select the correct statements**

- a) Only 1
- b) Only 2
- c) Both 1 and 2

- d) Neither 1 nor 2

**Q.2) Solution (b)**

Indian Regional Navigation Satellite System (IRNSS) : NavIC

This is an independent Indian Satellite based positioning system for critical National applications. The main objective is to provide Reliable Position, Navigation and Timing services over India and its neighbourhood, to provide fairly good accuracy to the user. The IRNSS will provide basically two types of services

- Standard Positioning Service (SPS)
- Restricted Service (RS)

Space Segment consists of seven satellites, three satellites in GEO stationary orbit (GEO) and four satellites in Geo Synchronous Orbit (GSO) orbit with inclination of 29° to the equatorial plane. This constellation of seven satellites was named as "NavIC" (Navigation Indian Constellation) by the Honourable Prime Minister of India, Mr. Narendra Modi and dedicated to the Nation on the occasion of successful launch of IRNSS-1G, the seventh and last satellite of NavIC. All the satellites will be visible at all times in the Indian region. All the seven Satellites of NavIC, namely, IRNSS-1A, 1B, 1C, 1D, 1E, 1F and 1G were successfully launched on July 02, 2013, Apr 04, 2014, Oct 16, 2014, Mar 28, 2015, Jan 20, 2016, Mar 10, 2016 and Apr 28, 2016 respectively and all are functioning satisfactorily from their designated orbital positions.

Ground Segment is responsible for the maintenance and operation of the IRNSS constellation. It provides the monitoring of the constellation status, computation of the orbital and clock parameters and navigation data uploading. The Ground segment comprises of TTC & Uplinking Stations, Spacecraft Control Centre, IRNSS Timing Centre, CDMA Ranging Stations, Navigation Control Centre and Data Communication Links. Space segment is compatible with single frequency receiver for Standard Positioning Service (SPS), dual frequency receiver for both SPS & RS service and a multi mode receiver compatible with other GNSS providers.

Source: [http://www.business-standard.com/article/government-press-release/desi-global-positioning-system-117080301208\\_1.html](http://www.business-standard.com/article/government-press-release/desi-global-positioning-system-117080301208_1.html)

**Q.3) Which of the following was known in ancient times as 'Constantinople'?**

- a) Turkey  
b) Libya

- c) Istanbul
- d) Egypt

**Q.3) Solution (c)**

Source: <http://www.history.com/news/why-arab-scholar-ibn-battuta-is-the-greatest-explorer-of-all-time>

**Q.4) The management of Haj Pilgrimage comes under**

- a) Ministry of Minority Affairs
- b) Ministry of Culture
- c) Ministry of External Affairs
- d) Ministry of Home Affairs

**Q.4) Solution (a)**

The work related to management of Haj pilgrimage has been transferred from Ministry of External Affairs to Ministry of Minority

Read More: <http://www.thehindu.com/news/national/haj-pilgrimage-comes-under-control-of-minority-affairs-ministry/article9193652.ece>

Source: [http://www.business-standard.com/article/government-press-release/ministry-of-minority-affairs-exploring-possibilities-for-the-revival-of-haj-117072600817\\_1.html](http://www.business-standard.com/article/government-press-release/ministry-of-minority-affairs-exploring-possibilities-for-the-revival-of-haj-117072600817_1.html)

**Q.5) Which one of the following is a purpose of 'UDAN', a scheme of the Government?**

- a) Regional connectivity scheme
- b) Financial inclusion
- c) Providing technical and financial assistance to start-up entrepreneurs in the field of renewable sources of energy
- d) Providing for financial turnaround and revival of power distribution companies

**Q.5) Solution (a)**

UDAN (Ude Desh ka Aam Naagrik) scheme, an endeavour to make regional connectivity easy

## IASbaba's Daily Quiz

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All you need to know about the UDAN scheme for low-cost, regional connectivity - <http://www.thehindu.com/news/national/all-you-need-to-know-about-the-udan-scheme-for-low-cost-regional-connectivity/article18251599.ece>

