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For All Competitive SSC, Bank, IBPS, UPSC, Railway, IT & Other Govt. Exams

Created By [Careericons](#) Team

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**Q1.** What is 'Barak'?

- a) A peak in Kargil
  - b) Residential Complex of an Army Unit
  - c) A ship-based missile system
  - d) A barrage on river Brahmaputra
- 

**Q2.** Which of the following statements are **correct** regarding Astra missile?

- It is an air-to-air missile indigenously built by DRDO.
- It can intercept target aircraft at supersonic speed.
- It uses an indigenous liquid fuel propellant.

Codes:

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

**Q3.** The world's first space telescope released by Japan for remote observation of planets named

- a) SPRINT-A
  - b) ORBIT-A
  - c) SPRINT-J
  - d) ORBIT-5
-

**Q4.** From where was India's multipurpose telecommunication satellite INSAT-2E launched ?

- a) Thumba
- b) Kourou
- c) Sriharikota
- d) Baikanour

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**Q5.** Curiosity Rover captured a flower like formation on the rocks of

- a) Jupiter
- b) Venus
- c) Mars
- d) Saturn

**Q6.** Which of the following statements are true regarding Indian Regional Navigation Satellite System (IRNSS)?

- The system would comprise of seven satellites which would cover 1500-2000 km around the Indian landmass.
- All the satellites are being developed indigenously by ISRO.
- Four out of seven satellites have already been launched.
- All the satellites are being launched through GSLV.

Codes:

- a) 1, 3 and 4 only
- b) 2 and 4 only
- c) 1, 2 and 3 only
- d) All of these

**Q7.** Which company has acquired Pipavav Defence and Offshore Engineering?

- a) Adani Group
  - b) Tata Realty and Infrastructure
  - c) Reliance Infrastructure
  - d) GMR Infra
- 

**Q8.** What is the approximate height of a geostationary satellite from the surface of the earth?

- a) 15000 km
  - b) 35000 km
  - c) 981 km
  - d) 55000 km
- 

**Q9.** Scientists at the Berkley lab created world's first digital Atlas of

- a) Brain
  - b) Heart
  - c) Head
  - d) Eyes
- 

**Q10.** National Centre for Research & Development in Bulk Drugs is proposed to be set up in which city?

- a) Ahmadabad
  - b) Pune
  - c) Bengaluru
  - d) Hyderabad
- 

**Q11.** India's first Defence Satellite, successfully placed in the Geosynchronous orbit

- a) GSAT-9

- b) None of these
  - c) GSAT–8
  - d) GSAT–7
- 

**Q12.** The rank of India on the list of spam spewing nations in the world is

- a) 4th
- b) 5th
- c) 2nd
- d) 3rd

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**Q13.** The fastest super computer of India

- a) AKA–1000
  - b) None of these
  - c) Param Yuva–II
  - d) SAGA–500
- 

**Q14.** Consider the following statements:

- Dongfeng-41 (DF-41) missile was developed by North Korea.
- Inter-Continental Ballistic Missile (ICBM) has a range of 12,000 kms.
- It is world's longest-range missiles.

Which of the statements given above is/are correct?

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

**Q15.** Common bacteria used in genetic engineering is

- a) Rhizobium
- b) E. coli
- c) Diplococcus
- d) Spirillum

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**Answers to the above questions :**

**Q1. Answer: (c)**

Barak is an Israeli surface-to-air missile (SAM) designed to be used as a ship-borne point-defence missile system against aircraft, anti-ship missiles, and UAVs. The missile of the Barak SAM system is designed to replace or complement gun-based CIWS platforms, such as the Phalanx CIWS, with a more flexible and longer-range SAM.

The missiles are mounted in an eight-cell container (which requires little maintenance) and are launched straight up. The launcher of the Barak SAM system utilizes a compact vertical launching system, with an 8-cell module weighing 1,700 kg.

Fire control is provided by an equally compact C3I system that weighs 1,300 kg, which can either operate independently or in conjunction with other onboard sensors. The radar system of C3I provides 360-degree coverage and the missiles can take down an incoming missile as close as 500 meters away from the ship.

**Note:** Recently, India & Israel jointly developed the most advanced long-range surface to air missile Barak-8 was successfully test-fired off the Odisha coast.

Reports suggest the missile has been increased to a maximum range of 90 km following “range upgrade discussions” between India and Israel during November 2014.

Barak 8 was jointly developed by Israel Aerospace Industries (IAI), India’s Defence Research & Development Organization (DRDO), Israel’s Administration for the Development of Weapons and Technological Infrastructure, Elta Systems, Rafael and other companies. Bharat Dynamics Limited (BDL) produces the missiles.

**Q2. Answer: (b)**

Astra is a single stage solid fuelled missile. It can be integrated with all the major fighter planes of Indian Air Force. Recently, it was successfully testfired from a Sukhoi-30 fighter

aircraft.

**Q3. Answer: (a)**

Sprint-A is the first space telescope dedicated to observing the environment of planets in the solar system (Venus, Mars and Jupiter). The telescope is located in earth's orbit and fluctuating between 950 km and 1150 km.

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**Q4. Answer: (b)**

INSAT-2E is an Indian geostationary communications and weather satellite that is operated by the Indian Space Research Organisation as part of the Indian National Satellite System. It is positioned in geostationary orbit at a longitude of 83° East, from where it is used to provide communications services to Asia and Australia.

It also carries two meteorological instruments; the Very High-Resolution Radiometer, and a CCD camera capable of returning images with a resolution of one kilometre.

INSAT-2E was launched by Arianespace, using an Ariane 42P carrier rocket flying from ELA-2 at the Guiana Space Centre in Kourou. The launch occurred at 22:03 GMT on 2 April 1999.

**Q5. Answer: (c)**

Mars Curiosity Rover has captured an image of a flower like object embedded on the rocks of Mars. It has also photographed a snake-like rock formation on the Martian Rocks. The picture was captured by the microscope Mars Hand Lens Imager held by the robotic arm of Rover on 19 December 2012.

**Q6. Answer: (c)**

IRNSS will be used for both civil as well as defence purpose. All the four satellites have been launched by PSLV.

**Q7. Answer: (c)**

Anil Ambani will take over as chairman of Pipavav Defence as Reliance Infrastructure has acquired it.

**Q8. Answer: (b)**

A geostationary satellite is a satellite whose orbit on the Earth repeats regularly over point on the Earth over time. The orbit of the satellite is known as geosynchronous/ geostationary orbit. It has an approximate height of 35000 km from the surface of the Earth.

**Q9. Answer: (a)**

**Q10. Answer: (d)**

The centre is proposed to be set up at National Institute of Pharmaceutical Education and Research (NIPER), Hyderabad.

**Q11. Answer: (d)**

India's first exclusive defence satellite GSAT7 was successfully launched by European space consortium Arianespace's Ariane 5 rocket from Kourou spaceport in French Guiana on 30 August, 2013.

**Q12. Answer: (d)**

**Q13. Answer: (c)**

India's fastest super computer is PARAM Yuva II as per December 2013 developed by the Centre for Development of Advanced Computing (C-DAC). It delivers sustained performance of 360.8 teraflops.

**Q14. Answer: (b)**

China has unveiled the sophisticated InterContinental Ballistic Missile (ICBM). It is widely speculated that the DF-41 missiles will be capable of carrying three nuclear warheads.

**Q15. Answer: (b)**

The genome size of E. coli is large and foreign gene can be easily ligated by producing sticky ends.

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