

# SCIENCE & TECH BASED INDIAN GENERAL AWARENESS MCQ PRACTICE QUESTIONS AND ANSWERS PDF WITH EXPLANATION

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

Created By [Careericons](http://Careericons.com) Team

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**Q1.** Match list–I with list–II:

List I	List II
a. Saras	i. battle tank
b. Bhishma	ii. multi-purpose civil aircraft
c. Brahmos	iii. satellite
d. Insat-3C	iv. missile

Codes: A B C D

- a) a–(iii), b–(ii), c–(iv), d–(i)  
b) a–(ii), b–(i), c–(iv), d–(iii)  
c) a–(iv), b–(iii), c–(i), d–(ii)  
d) a–(i), b–(ii), c–(iii), d–(iv)
- 

**Q2.** Which of the Europe's cargo carrier accomplished its mission?

- a) ATV-6  
b) ATV-8  
c) ATV-4  
d) ATV-7
- 

**Q3.** Following cells/tissues/parts and organs have been paired. Which among these pairs are correct?

- Atrium : Heart
- Bowman's capsule: Kidney
- Hippocampus : Liver
- Alveoli : Lungs

Codes:

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

**Q4.** Consider the following Statements:

- Bridgmanite was declared the most abundant mineral on earth by a team of American geologists.
- The mineral is named in honour of Percy Bridgman, a physicist who won the 1946 Nobel Prize in Physics.

Which of the statements given above is/are correct?

- a) 2 only
- b) Both 1 and 2
- c) 1 only
- d) None of the above

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**Q5.** Engineers of which of the following countries have developed the world's fastest car Venom GT with a top speed of 435 kilometres per hour?

- a) South Korea
- b) Germany
- c) Japan
- d) USA

**Q6.** Which of the following products are released when tyre is burnt?

- Vanadium
- Carbon dioxide
- Carbon Monoxide

- Arsenic

Codes:

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

**Q7.** National Biodiversity Conference (NBC)-2015 will be held in

- a) Kerala
  - b) Telangana
  - c) Gujarat
  - d) West Bengal
- 

**Q8.** Consider the following Statements:

- India successfully test-fired its nuclear capable Prithvi-II missile from a test ranges at Chandipur in Odisha.
- It is surface-to- air ballistic missile.
- Dhanush is the variant of prithvi designed for Indian Navy.

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
- 

**Q9.** The first explosion of an atomic device in India was carried out in the State of

- a) Nagaland
  - b) Rajasthan
  - c) Manipur
  - d) Jammu and Kashmir
-

**Q10.** With reference to 'stem cells', frequently in the news, which of the following statements is/are correct?

- Stem cells can be derived from mammals only.
- Stem cells can be used for screening new drugs.
- Stem cells can be used for medical therapies.

Select the **correct** answer using the codes given below :

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

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**Q11.** Thirty-Metre Telescope, the world's largest telescope, for which India is creating software is located in

- a) Antarctica
- b) Norway
- c) Iceland
- d) USA

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**Q12.** Which district has become the first one in India to have high speed Rural Broadband Network under National Optical Fibre Network (NOFN)?

- a) 12 trillion km
- b) 14 trillion km
- c) 8 trillion km
- d) 10 trillion km

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**Q13.** Agarose extracted from sea weeds finds use in

- a) PCR
  - b) spectrophotometry
  - c) tissue culture
  - d) gel electrophoresis
- 

**Q14.** Comets revolve around the

- a) Venus
  - b) Jupiter
  - c) Sun
  - d) Earth
- 

**Q15.** The rear side of the moon was photographed by

- a) Viking II
  - b) Mariner IX
  - c) Luna III
  - d) Viking I
- 

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**Answers to the above questions :**

**Q1. Answer: (b)**

**Saras:** the first Indian multi-purpose civilian aircraft.;

**Bhishma:** modified Russian T-90 main battle tank;

**BrahMos:** a short-range ramjet supersonic cruise missile developed as an Indo-Russian joint venture;

**INSAT-3C:** a multipurpose satellite built by ISRO and launched by Arianespace in Jan 2002.

**Q2. Answer: (c)**

Europe's cargo-carrier, the ATV-4 accomplished its Mission. The Automated Transfer Vehicle (ATV) was burnt over the uninhabited zone of the southern Pacific Ocean after a five month mission on 2 November 2013.

**Q3. Answer: (c)**

Hippocampus where place cells are located is a part of brain.

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**Q4. Answer: (b)**

Bridgmanite makes up about 70 percent of the earth's lower mantle and 38 percent of the total volume of earth. It is made up of high-density magnesium iron silicate.

**Q5. Answer: (d)**

US engineers have developed the world's fastest car with a top speed of an incredible 435 kilometres per hour. US firm Hennessey's Venom GT set the new record for the fastest car in the world during a test run at the Kennedy Space Centre in Florida.

Venom beat the previous best record of 431km/h set by Bugatti Veyron Super Sport.

**Q6. Answer: (d)**

National Green Tribunal has banned the burning of tyres in open as harmful products are released while burning them.

**Q7. Answer: (a)**

The second edition of National Biodiversity Conference will be held in Kerala in February 2015.

**Q8. Answer: (a)**

Prithvi-II is surface-to-surface missile developed by DRDO.

**Q9. Answer: (b)**

Smiling Buddha, formally designated as PokhranI, was the codename given to India's first nuclear test explosion that took place at the long-constructed Indian Army base, Pokhran Test Range in Rajasthan on 18 May 1974.

It was also the first confirmed nuclear test by a nation outside the five permanent members of the United Nations Security Council.

**Q10. Answer: (a)**

Stem cells are the undifferentiated mass of cells that can be appropriately programmed genetically to give rise to any type of cell. In view of this, it can be used for medical therapies like grafting, development of antibodies etc.

**Q11. Answer: (d)**

Thirty-Metre Telescope is located in the Hawaii islands of the USA.

**Q12. Answer: (d)**

A light-year is a unit of distance. It is the distance that light can travel in one year. Light moves at a velocity of about 300,000 kilometers (km) each second. So in one year, it can travel about 10 trillion km.

**Q13. Answer: (d)**

In gel electrophoresis agarose extracted from sea weed used as gel agarose, made of 0.7% gel show good resolution of large DNA molecules and 2% gel will show good resolution of small fragments of DNA.

**Q14. Answer: (c)**

A comet is a small, icy celestial body that orbits around the sun. It is made up of a nucleus (solid, frozen ice, gas and dust), a gaseous coma (water vapour, CO<sub>2</sub>, and other gases) and a long tail (made of dust and ionized gases).

The tail develops when the comet is near the Sun. The tail can be up to 250 million km long and is most of what we see. Comets are only visible when they're near the sun in their highly eccentric orbits.

**Q15. Answer: (c)**

The Soviet space probe Luna 3 of 1959 (of the E3 series) was the third space probe to be sent to the neighbourhood of the Moon, and this mission was an early feat in the spaceborne exploration of outer space.

Though it returned rather poor pictures by later standards, the historic, never-before-seen views of the far side of the Moon caused excitement and interest when they were published around the world, and a tentative Atlas of the Far Side of the Moon was created after image processing improved the pictures.

These views showed mountainous terrain, very different from the near side, and only two dark, low-lying regions which were named Mare Moscoviense (Sea of Moscow) and Mare Desiderii (Sea of Desire). Mare Desiderii was later found to be composed of a smaller mare, Mare Ingenii (Sea of Ingenuity), and several other dark craters.

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