

UNIVERSE, SOLAR SYSTEM AND ASTRONOMY BASED INDIAN GEOGRAPHY MCQ PRACTICE QUESTIONS AND ANSWERS PDF WITH EXPLANATION

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Created By [Careericons](#) Team

Q1. Cycle of sun spots is

- a) 11 years
 - b) 12 years
 - c) 10 years
 - d) 9 years
-

Q2. The Earth is an **oblate spheroid and not a perfect sphere**. This is because

- The Earth has a rotational motion and the rotational speed increases as one goes from the poles towards the equator.
- The equator experiences greater gravitational pull from the sun.
- The intensity of sunlight received at the equator is greater than that at the poles.

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

- a) Only 3
 - b) All of these
 - c) 1 and 2
 - d) Only 1
-

Q3. When it is 12 Noon at Allahabad, the time at Wellington (New Zealand) would be close to which one of the following?

- a) 6:30 pm of the same day
 - b) 6:30 pm of the previous day
 - c) 4:30 pm of the previous day
 - d) 4:30 pm of the same day
-

Q4. Space between Earth and Moon is known as

- a) Nebula
- b) None of these
- c) Fulalunar
- d) Cislunar

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Q5. Which of the following is/are **direct source(s)** of information about the **interior of the Earth**?

- Earthquake wave
- Volcano
- Gravitational force
- Earth magnetism

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

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

Q6. Which one of the following planets has largest number of natural satellites or Moons?

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

Q7. The eclipse of Sun occurs

- a) when the Sun comes between the Earth and Moon.
 - b) None of these
 - c) when the Earth comes between the Sun and Moon.
 - d) when the Moon comes between the Sun and the Earth.
-

Q8. Consider the following statements:

- Since Venus is seen in the East in morning and in the West in evening. It is called 'Morning star' as well as 'Evening star'.
- The Earth looks blue when seen from the space due to the presence of large amount of water, hence it is called 'Blue Planet'.

Which of the above statements is/are **correct**?

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

Q9. The distance between Earth and the Sun is

- a) 146.6 million km
 - b) 149.6 million km
 - c) 142.7 million km
 - d) 107.7 million km
-

Q10. Light from the Sun reaches us in nearly

- a) 6 min
 - b) 4 min
 - c) 2 min
 - d) 8 min
-

Q11. What is meant by the eclipse of Moon?

- a) For any place, it is the average angle made by a line drawn from the moon to place and horizontal at midnight.
- b) When the Moon comes between the Sun and the Earth, it causes the shadows of the Moon to fall on Earth.
- c) It is path along which the moon revolves.
- d) It occurs when the Earth comes between the Sun and the Moon and the centers of all three are on the same straight line.
-

Q12. Our solar system is located in which Galaxy?

- a) Milky Way
- b) Andromeda
- c) Alpha Centauri
- d) Proxima Centauri

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Q13. The four largest planets of the Solar System in decreasing size are

- a) Jupiter, Saturn, Uranus and Neptune
- b) Jupiter, Mercury, Saturn and Neptune
- c) Mercury, Jupiter, Saturn and Neptune
- d) Jupiter, Mercury, Saturn and Uranus
-

Q14. The planet which is called twin sister of the Earth is

- a) Mars
- b) Uranus
- c) Venus
- d) Mercury
-

Q15. The largest planet in our solar system is

- a) Jupiter
- b) Saturn
- c) Uranus
- d) Earth

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Answers to the above questions :

Q1. Answer: (a)

The number of sunspots observed on the surface of the sun varies from year to year in a cyclical way. The length of the cycle is around 11 years on average.

Q2. Answer: (d)

The shape of the Earth is very close to that of an oblate spheroid, a sphere flattened along the axis from pole to pole such that there is a bulge around the equator.

This bulge results from the rotation of the Earth and causes the diameter at the equator to be 43 km large than the pole to pole diameter.

Q3. Answer: (a)

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Q4. Answer: (d)

Space between Earth and Moon is known as Cislunar. Pertaining to the space between the earth and the orbit of the moon.

Q5. Answer: (d)

Earthquake waves are propagating vibrations that carry energy from the source of the shaking outward in all directions.

It is of four types: P (for primary) S (for secondary) Love Rayleigh A volcano is a mountain that opens downward to a pool of molten rock below the surface of the earth. When pressure builds up, eruptions occur.

Q6. Answer: (a)

Q7. Answer: (d)

The eclipse of sun occurs when the moon comes between the sun and the earth.

Q8. Answer: (a)

The earth looks blue when seen from the space due to the presence of large amount of water.

Q9. Answer: (b)

Q10. Answer: (d)

The sun's light takes about 8 minutes to reach the Earth after it has been emitted from the sun's surface. The time it takes for light to reach planets in our Solar System varies from about 3 minutes for Mercury, to about 5.3 hours for Pluto.

Q11. Answer: (d)

Eclipse of moon occurs when the Earth comes between the Sun and Moon it causes the shadow of the Earth to fall on Moon. A lunar eclipse can only happen during a full moon.

Q12. Answer: (a)

Our solar system is located in Milky Way Galaxy. The Milky Way is the galaxy that contains our Solar System. Its name "milky" is derived from its appearance as a dim glowing band arching across the night sky in which the naked eye cannot distinguish individual stars.

Q13. Answer: (a)

The diameter of

- Jupiter is 1,42,984 km,
- Saturn: 1,20,536 km,
- Uranus: 51,118 km, and
- that of Neptune is 49,528 km.

Q14. Answer: (c)

The planet which is called twin sister of earth is Venus. Venus is known as the Earth's twin because of its similar size, chemical composition and density.

However, due to its toxic atmosphere, Venus is not habitable.

Q15. Answer: (a)

The largest planet in our solar system is Jupiter. Jupiter is the fifth planet from the Sun and the largest planet in the Solar System.

It is a gas giant with mass one-thousandth of that of the Sun but is two and a half times the mass of all the other planets in the Solar System combined.

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