

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. Which one of the following is not related to plate Tectonic Theory?

- a) Transform fault
 - b) Sea floor spreading
 - c) Pole wandering
 - d) Continental drift
-

Q2. Match the following lists:

List I	List II
(Celestial Body)	(Roman God)
A. Mercury	1. God of the Underworld and Death
B. Pluto	2. God of Commerce, Eloquence and Skill
C. Mars	3. God of the Sea
D. Neptune	4. God of War

Codes: A B C D

- a) 3 4 1 2
 - b) 2 1 4 3
 - c) 2 4 1 3
 - d) 3 1 4 2
-

Q3. How many hours of daylight does the equator experience on September equinox?

- a) 10 hours
- b) 12 hours

c) 9 hours

d) 8 hours

Q4. Consider the following statements:

- When the Sun, the Earth and the Moon are aligned in a straight line, the position is referred to as SYZYG.
- When the Sun and Moon are in straight line, it results in spring tide.
- When the Sun and Moon are in right angle, it results in Neap tide.

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

a) 2 and 3 only

b) 1, 2 and 3

c) 1 and 3 only

d) 1 and 2 only

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Q5. Consider the following statements:

- The nearest large galaxy of Milky Way is the Andromeda galaxy.
- The Sun's nearest known star is a red dwarf star called Proxima Centauri, at a distance of 4. light years away.

Which of the above statement(s) is/are **correct**?

a) Both 1 and 2

b) Neither 1 nor 2

c) 2 only

d) 1 only

Q6. The group of small pieces of rock revolving round the sun between the orbits of Mars and Jupiter are called

a) meteorites

- b) asteroids
 - c) comets
 - d) meteors
-

Q7. Which one of the following conditions is most relevant for the presence of life on Mars?

- a) Occurrence of ice caps and frozen water
 - b) Occurrence of ozone
 - c) Thermal conditions
 - d) Atmospheric composition
-

Q8.

List I	List II
(Volcanoes of the world)	(Countries)
A. Catapoxi	1. Indonesia
B. Kilimanjaro	2. Kenya
C. Vesuvius	3. Japan
D. Krakatau	4. Italy
	5. Canada

Codes: A B C D

- a) A - 3; B - 2; C - 4 ; D - 1
 - b) A - 5; B - 1; C - 3 ; D - 2
 - c) A - 5; B - 2; C - 3 ; D - 1
 - d) A - 3; B - 1; C - 4; D - 2
-

Q9. According to a new definition adopted by 'International Astronomical Union' in 2006, which of the following is not a 'planet'?

- a) Pluto
- b) Jupiter

c) Neptune

d) Uranus

Q10. Diamond Ring is a phenomenon observed

a) only along the peripheral regions of the totality trail.

b) only in the central regions of the totality trail.

c) at the end of a total solar eclipse.

d) at the start of a total solar eclipse.

Q11. Which of the following statements in the context of **northern hemisphere** is/are correct?

- Vernal equinox occurs on March 21.
- Summer solstice occurs on December 22.
- Autumnal equinox occurs on September 23.
- Winter solstice occurs on June 21.

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

a) 2 and 4 only

b) 1, 2 and 3 only

c) 1 and 3 only

d) 1 only

Q12. Which of the following planets is known as “**Red Planet**”?

a) Jupiter

b) Saturn

c) Mars

d) Earth

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Q13. The Earth is divided into time zones for the purpose of

- a) both are correct
 - b) both are incorrect
 - c) maintaining same time
 - d) maintaining a standard time system
-

Q14. The **asteroids** revolve round the Sun in between :

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

Q15. Solar eclipse occurs on

- a) Any day
 - b) Full Moon day (Poornima)
 - c) New Moon day
 - d) Quarter Moon day
-

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Answers to the above questions :

Q1. Answer: (c)

Pole wandering is not related to plate tectonic theory.

Q2. Answer: (b)

A. Mercury- God of Commerce, Eloquence, and Skill

B. Pluto- God of Underworld and Death

C. Mars- God of War

D. Neptune- God of the Sea

Q3. Answer: (b)

On the equinox, night and day is nearly exactly the same length - 12 hours - all over the world. Thus equator experience 12 hours daylight on September equinox.

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Q4. Answer: (b)

Q5. Answer: (a)

The nearest large galaxy of Milky Way is Andromeda galaxy. At a distance of about 2.5 million light-years, the Andromeda galaxy (also known as NGC 224 and M31) is the nearest galaxy to the Earth apart from smaller companion galaxies such as the Magellanic Clouds.

The Sun's nearest known star is a red dwarf star called Proxima Centauri, at a distance of 4.3 light-years away.

Q6. Answer: (b)

The asteroids are group of small pieces of rock revolving round the sun between the orbit of Mars and Jupiter. They are approximately 40,000 in number.

Q7. Answer: (a)

Mars is the only planet with similar day time temperatures and an atmosphere similar to earth. The most relevant condition for presence of life on Mars is occurrence of ice caps and frozen water.

Q8. Answer: (a)

Q9. Answer: (a)

Q10. Answer: (a)

Diamond Ring is a phenomenon observed only along the peripheral regions of the totality trail. When the shrinking visible part of the photosphere becomes very small, Baily's beads will occur.

.These are caused by the sunlight still being able to reach Earth through lunar valleys. Totality then begins with the diamond ring effect, the last bright flash of sunlight.

Q11. Answer: (c)

Q12. Answer: (c)

Mars is known as Red planet. Mars is the fourth planet from the Sun and the second-smallest planet in the Solar System. Named after the Roman God of war, it is often described as the “Red Planet” because the iron oxide prevalent on its surface gives it a reddish appearance.

Mars is a terrestrial planet with a thin atmosphere, having surface features reminiscent both of the impact craters of the Moon and the volcanoes, valleys, deserts, and polar ice caps of Earth.

Q13. Answer: (d)

The earth is divided into time zones for maintaining a standard time system. A time zone is any of the 24 geographical areas into which the Earth is divided for the purpose of maintaining a standard time system. Clocks within a given time zone are set to the same time.

Q14. Answer: (c)

Asteroids, sometimes called minor planets, are small, rocky fragments left over from the formation of our solar system about 4.6 billion years ago. Most of this ancient space rubble can be found orbiting the sun between Mars and Jupiter. Asteroids range in size from Ceres, about 952 km (592 miles) in diameter, to bodies that are less than 1 km across.

The total mass of all the asteroids is less than that of Earth’s Moon.

Q15. Answer: (c)

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