

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

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

Created By [Careericons](#) Team

Q1. Which one of the following is the correct sequence of the given planets in increasing order of their size (diameter) ?

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

Q2. Consider the following statements:

- The Sun is the heart spot of the Solar system which is the source of energy of all organism of the earth.
- The innermost layer of the Sun is called Corona.

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
-

Q3. Consider the following statements

- The Earth does not move along its orbit at a constant rate.
- The Earth moves fastest at perihelion and slowest at aphelion.

The above statements are **true** of which one of the following laws?

- a) Ohm's law
- b) Newton's law of gravitation
- c) Newton's second law of motion
- d) Kepler's second law

Q4. The group of small pieces of rocks revolving round the sun between the orbits of Mars and Jupiter are called

- a) Meteorites
- b) Asteroids
- c) Comets
- d) Meteors

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Q5. Time taken by Sun's light to reach Earth is

- a) 9 min 18 sec
- b) 6 min 18 sec
- c) 9 min
- d) 8 min 18 sec

Q6. The planet nearest to the sun is

- a) Venus
- b) Pluto
- c) Earth
- d) Mercury

Q7. The planet which is called twin sister of the Earth is

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

Q8. In the earth's direction of rotation is reversed, what should be the IST when it is noon at the International Date Line?

- a) 18.30 hrs
 - b) 17.30 hrs
 - c) 05.30 hrs
 - d) 06.30 hrs
-

Q9. The sun is vertical over the Tropic of Cancer on

- a) Sept. 23
 - b) Dec. 22
 - c) June 21
 - d) March 21
-

Q10. If the earth's axis had not been inclined,

- temperature distribution would have been uniform.
- days and nights would not have occurred.
- seasons would not have occurred.
- poles would not have continuous day.

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

Q11. 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.
-

Q12. The 'Black Hole' theory was propounded by

- a) S. Chandrashekar
- b) Hargovind Khurana
- c) H.J. Bhabha
- d) C.V. Raman

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Q13. Consider the following statements regarding asteroids:

- Asteroids are rocky debris of varying sizes orbiting the Sun.
- Most of the asteroids are small but some have diameter as large as 1000 km.
- The orbit of asteroids lies between orbits of Jupiter and Saturn.

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

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

Q14. Beirut time is two hours ahead and Lima time is five hours behind GMT. The longitudes of Beirut and Lima are respectively:

- a) 30° East and 75° West
- b) 35° West and 70° East
- c) 70° East and 35° West
- d) 75° West and 30° East

Q15. The limit beyond which stars suffer internal collapse is called

- a) Hoyle limit

- b) Fowler limit
- c) Eddington limit
- d) Chandrashekhar limit

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Answers to the above questions :

Q1. Answer: (c)

Q2. Answer: (d)

The sun is the heart spot of the Solar system which is the source of energy of all organisms on Earth. Our sun is the center of our solar system and is the source of all energy for almost every organism on the face of the Earth.

The sun provides a vast spectrum of energy. Everyone knows that the sun produces lots of heat and light. But our sun produces energy that is much more important. The vast amount of energy that our sun produces is called **RADIANT ENERGY**.

Radiant energy is defined as invisible and invisible light; it is also energy that travels in waves. directly or indirectly, the sun provides nearly all of the energy required by the organisms on Earth. The corona is the outermost layer of the Sun, starting at about 1300 miles (2100 km) above the solar surface (the photosphere).

The temperature in the corona is 500,000 K (900,000 degrees F, 500,000 degrees C) or more, up to a few million K.

Q3. Answer: (d)

Kapler's law give a description of the motion of planets around the Sun.

Kepler's are laws are

1. The orbit of every planet is an ellipse with the Sun at one of two faces.
2. A line joining a planet and the Sun sweeps out equal areas during intervals of time.

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HYDROSPHERE & OCEANOGRAPHY PEDOLOGY OR SOIL & AGRICULTURE

ECOLOGY & BIO GEOGRAPHY WORLD PHYSICAL GEOGRAPHY

WORLD HUMAN GEOGRAPHY (POPULATION)

WORLD ECONOMIC GEOGRAPHY (INDUSTRY, TRADE, TRANSPORTATION &
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WORLD COUNTRY, CAPITAL, AREA, CURRENCY, PARLIAMENT, RELIGION, NEW & OLD
NAME OF COUNTRY

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MINERALS & ENERGY RESOURCES OF INDIA INDUSTRIES & TRADE IN INDIA

TRANSPORTATION & PORTS SYSTEM OF INDIA

Q4. Answer: (b)

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

Q5. Answer: (d)

On an average Sunlight reaches on Earth in 8 min. 20 sec.

Q6. Answer: (d)

The planet nearest to the sun is Mercury. Mercury is the smallest and closest to the Sun of the eight planets in the Solar System, with an orbital period of about 88 Earth days.

Q7. 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.

Q8. Answer: (d)

India is a large country spanning over 30° of longitude. It is unusual in having a single time zone all over the country, $5\frac{1}{2}$ hours fast.

If the direction of rotation of the earth is reversed then Indian Standard Time will be $-5\frac{1}{2}$ hr.

When it is noon the time is 12:00; that will be 6:30 A.M. in place of 17:30 P.M. or 5:30 P.M.

Q9. Answer: (c)

Sun is vertical over the tropic of cancer on June 21 or Summer Solstice.

Q10. Answer: (a)

Q11. Answer: (a)

Diamond Ring is the phenomenon that occurs along the peripheral regions of the totality tail.

As the last bits of sunlight pass through the valleys on the moon's limb, and the faint corona around the sun is just becoming visible, it looks like a ring with glittering diamonds on it.

Q12. Answer: (a)

Q13. Answer: (d)

Asteroids are rocky debris of varying sizes orbiting the Sun. Most of the asteroids are small but some have diameters as large as 1000 km.

There are millions of asteroids, many thought to be the shattered remnants of planetesimals, bodies within the young Sun's solar nebula that never grew large enough to become planets.

The large majority of known asteroids orbit in the asteroid belt between the orbits of Mars and Jupiter, or are co-orbital with Jupiter. Asteroids vary greatly in size, from almost 1,000 km for the largest down to rocks just tens of metres across.

Q14. Answer: (d)

Beirut is in the east of G.M.T. and Lima is five hours behind the G.M.T.

We know that 1° is equal to four minutes

i.e., 2 hours = 30° East and Beirut is 75° West of G.M.T.

Q15. Answer: (d)

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