

Planet System

Basics of geography

1.Which of the following rivers carries maximum quantity of water into the sea?

- [A] Nile
- [B] Amazon
- [C] Mississippi Missouri
- [D] Thames

2.Which of the following countries is not a part of Melanesia region in the pacific ocean?

- [A] Vanuatu
- [B] Solomon Islands
- [C] Fiji
- [D] Kiribati

3.The asteroid belt is a region of the Solar System located roughly between the orbits of which among the following planets?

- [A] Earth & Mars
- [B] Mars & Jupiter
- [C] Jupiter and Saturn
- [D] Saturn and Pluto

4.In context with Science and Technology development of China, what is Tianwen 1?

- [A] A satellite
- [B] A space exploration mission
- [C] A super computer
- [D] A weapon

5.What was the name of the Lunar Module in which, on July 20, in 1969, Neil Armstrong, Commander of Apollo 11 Mission and Edwin Aldrin Jr., Commander of this module, became the first cosmonauts to land on the moon?

- [A] Columbia
- [B] LM Orion
- [C] Eagle
- [D] Aquarius

Big bang theory

1. The 'Big Bang Theory' is related to which of the following?

- [A] Continental Drift
- [B] Origin of Universe
- [C] Origin of Himalayas
- [D] Eruption of Volcanoes

2. The Milky Way is classified as_____.

- [A] Spiral Galaxy
- [B] Electrical Galaxy
- [C] Irregular Galaxy
- [D] Round Galaxy

3. What does the colour of star indicates?

- [A] Distance from the Sun
- [B] Lighting or glow
- [C] Distance from the earth
- [D] Temperature

4. What is the time taken by the Sun to revolve around the centre of our galaxy?

- [A] 2.5 Crore years
- [B] 10 Crore years
- [C] 25 Crore years
- [D] 50 Crore years

5. Which of the following concept related to the limit beyond stars suffer internal collapse?

- [A] Chandrasekhar limit
- [B] Eddington limit
- [C] Hoyle limit
- [D] Fowler limit

Universe

1. How many times is the planet Saturn bigger than the earth [in diameter]?

- [A] Four times
- [B] Six times
- [C] Eight times
- [D] Ten times

2. Traveling at the speed of light one can travel how many times around the earth in one second?

- [A] 3 times
- [B] 5 times
- [C] 7 times
- [D] 9 times

3. Which planet is known as watery planet?

- [A] Earth
- [B] Mars
- [C] Venus
- [D] Mercury

4. In which part of the solar system is the sun located?

- [A] At the top of the system
- [B] At the bottom of the system
- [C] At the left hand corner of the system
- [D] Approximately at the centre of the system

5. Which planet contains largest quantity of carbon dioxide i.e 95%

- [A] Earth
- [B] Jupiter
- [C] Venus
- [D] Mercury

Basics of solar system

1.The ring of Saturn is made of:

- [A] Rocks
- [B] Ice
- [C] Dust
- [D] Both 2 and 3

2.Which of the following planet is dwarf planet?

- [A] Pluto
- [B] Ceres
- [C] Eris
- [D] All of the above

3.The Earth's axis is tilted at an angle of _____.

- [A] 45.5 degree
- [B] 23.5 degree
- [C] 65.5 degree
- [D] 75.5 degree

4.The first man landed on Moon in _____.

- [A] 1949
- [B] 1959
- [C] 1969
- [D] 1979

5.How many moons Mars has?

- [A] 2
- [B] 3
- [C] 4
- [D] 5

Eight Planet and Important Facts

Facts of eight Planet

Q1. The brightest planet of the solar system is

- [A] Mercury
- [B] Venus
- [C] Earth
- [D] Saturn

Q2. Orion is a

- [A] constellation
- [B] star
- [C] planet
- [D] satellite

Q3. Which of the following is not a planet?

- [A] Ursa Major
- [B] Saturn
- [C] Neptune
- [D] Mercury

Q4. Our galaxy is known as

- [A] Earth galaxy
- [B] Sun galaxy
- [C] Milky way galaxy
- [D] Constellation

Q5. Galaxy to which the solar system belongs is calle[D]

- [A] Akash Ganga
- [B] Ursa major
- [C] Orion
- [D] Milky way

Mercury

1.The luminous efficiency of high-pressure mercury vapour lamps ranges fromlumens/watt

- [A] 30 to 40
- [B] 70 to 90
- [C] 100 to 120
- [D] 150 to 180

2. A Mercury vapour lamp gives light of

- [A] Green colour light
- [B] Pink colour light
- [C] Greenish blue colour light
- [D] White colour light

3.High-pressure mercury vapour lamps

- [A] Are similar in construction to sodium vapour lamps
- [B] Need four or five minutes to attend a full brilliancy
- [C] Are generally used for general industrial lighting railway yards et[C]
- [D] All of the above

4.High-pressure Mercury vapour lamps

- [A] The main electrodes are made of tungsten wire in the form of helix
- [B] The choke is provided to limit the current to a safe value
- [C] In addition to two main electrodes a starting electrode is connected through a high resistance
- [D] All of the above

5. Which off the following lambs is a cold cathode lamp ?

- [A] Sodium vapour lamp
- [B] Mercury vapour lamp
- [C] Neon lamp
- [D] None of the above

Venus

1. Which planets lie between Mars and Uranus?

- [A] Jupiter and Saturn
- [B] Jupiter and Pluto
- [C] Jupiter and Earth
- [D] Saturn and Neptune

2. Comets revolve around which of the following ?

- [A] Sun
- [B] Venus
- [C] Jupiter
- [D] Earth

3. Which planet is nearest to the earth?

- [A] Jupiter
- [B] Mars
- [C] Mercury
- [D] Venus

4. 'Earth's Twin' is known to which planet?

- [A] Venus
- [B] Mars
- [C] Saturn
- [D] Jupiter

5. Which planet revolves opposite to earth around its own axis?

- [A] Venus
- [B] Mars
- [C] Mercury
- [D] Jupiter

Earth, Jupiter, Saturn and Uranus

1.The Sun shines vertically on the Equator

- [A] Once a year
- [B] Twice a year
- [C] For six months
- [D] Throughout the year

2.The moon is called a satellite of the earth because

- [A] It is much smaller than the earth
- [B] It remains in position due to the gravitational pull of the earth
- [C] It draws light from the sun via the earth
- [D] It revolves round the earth

3.What is the approximate equatorial circumference of the earth?

- [A] 30,000 Km
- [B] 35,000 Km
- [C] 40,000 Km
- [D] 45,000 Km

4.The mean radius of the earth is approximately

- [A] 3200 Km
- [B] 6400 Km
- [C] 9600 Km
- [D] 12800 Km

5.What percentage of insolation is received by the earth's surface?

- [A] 47%
- [B] 51%
- [C] 66%
- [D] 87%

6.Who is Mars in mythology?

- [A] God of Weather
- [B] King of Peace
- [C] God of Hunting
- [D] God of War

7.How is Mars sometimes referred to?

- [A] Blue Planet
- [B] Green Planet
- [C] Red Planet
- [D] Yellow Planet

8. Who discovered the two satellites of Mars?

- [A] Asaph Hall
- [B] Edwin Powell Hubble
- [C] Simon Marius
- [D] William Henry Pickering

9. Which spacecraft first visited Mars?

- [A] Pioneer 7
- [B] Viking 2
- [C] Ulysses
- [D] Mariner 4

10. What is the meaning of phobos?

- [A] Love
- [B] Envy
- [C] Fear
- [D] Greed

11. Red Planet is known to –

- [A] Mars
- [B] Mercury
- [C] Venus
- [D] Saturn

12. Which planet spins on its axis at the fastest rate?

- [A] Earth
- [B] Mars
- [C] Venus
- [D] Jupiter

13. Morning Star is known to which planet?

- [A] Mars
- [B] Mercury
- [C] Venus
- [D] Earth

14. Which planet has thirteen moons?

- [A] Neptune
- [B] Mars
- [C] Earth
- [D] Saturn

Asteroids, Comets, Moon and Sun

1. The ring of Saturn is made of:
[A] Rocks
[B] Ice
[C] Dust
[D] Both 2 and 3
2. Which of the following planet is dwarf planet?
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[D] All of the above
3. The Earth's axis is tilted at an angle of _____.
[A] 45.5 degree
[B] 23.5 degree
[C] 65.5 degree
[D] 75.5 degree
4. Who was the first man to step on the moon?
[A] Kalpana Chawla
[B] Rakesh Sharma
[C] Neil Armstrong
[D] Eris
5. The first man landed on Moon in _____.
[A] 1949
[B] 1959
[C] 1969
[D] 1979
6. How many moons Mars has?
[A] 2
[B] 3
[C] 4
[D] 5
7. The largest moon of Neptune is _____.
[A] Phobos
[B] Deimos
[C] Charon
[D] Triton

8. The largest moon of Saturn is _____.

- [A] Phobos
- [B] Deimos
- [C] Titan
- [D] Charon

9. Which planets don't have any moons?

- [A] Neptune and Jupiter
- [B] Saturn and Mars
- [C] Venus and Mars
- [D] Venus and Mercury

10. Which axis of the earth causes the seasons?

- [A] straight
- [B] tilted
- [C] longitudinal
- [D] none of the above

11. The full form of GPS is:

- [A] Global Picture Station
- [B] Global Positioning System
- [C] Global photo through Satellites
- [D] Global Planet System

12. Saturn consists of :

- [A] Carbon di oxide
- [B] rocks and water
- [C] only rocks
- [D] hydrogen and helium gas

13. The most beautiful planet is:

- [A] Uranus
- [B] Neptune
- [C] Earth
- [D] Saturn

14. How many moons Saturn has?

- [A] 35
- [B] 53
- [C] 2
- [D] 20

15. Which planet moves fastest?

- [A] Uranus
- [B] Neptune
- [C] Saturn
- [D] Jupiter

16. Which planet has the shortest day?

- [A] Neptune
- [B] Uranus
- [C] Jupiter
- [D] Saturn

17. Which planet rotates from west to east:

- [A] Venus
- [B] Earth
- [C] Both Venus and Earth.
- [D] None of these

18. The planet that rotates from east to west is:

- [A] Neptune
- [B] Jupiter
- [C] Venus
- [D] Saturn

19. Which planet has the longest year?

- [A] Neptune
- [B] Jupiter
- [C] Saturn
- [D] Venus

20. The ____ part of the sun is visible to us.

- [A] Core
- [B] Ozonosphere
- [C] Ionosphere
- [D] Photosphere

Rotation and Revolution of Earth

1. Which one of the following terms is used for the movement of the earth on its axis?

- [A] Revolution
- [B] Orbit
- [C] Rotation
- [D] Movement

2. Which one of the following statements truly defines the revolution of the earth?

- [A] Movement of the earth on its own axis
- [B] The movement of the earth around the sun in a fixed path
- [C] The movement of the moon around the earth
- [D] The movement of the dust particles in the atmosphere.

3. The earth is tilted at:

- [A] an angle of $66\frac{1}{2}^\circ$
- [B] an angle of $23\frac{1}{2}^\circ$
- [C] an angle of 60°
- [D] an angle of 90°

4. Which one of the following is the circle of illumination?

- [A] The imaginary axis of the earth
- [B] The circle that divides the day from night on the globe
- [C] The Arctic Circle that demarcates the Frigid Zone in the Northern Hemisphere
- [D] The Antarctic Circle that lies in the Southern Hemisphere.

5. Which one of the following terms is used for the period of one rotation?

- [A] Circle of illumination
- [B] Orbital plane
- [C] Earth day
- [D] Revolution.

6. How much time the earth takes to complete one revolution?

- [A] 366 days
- [B] 365% days
- [C] 364 days
- [D] 350 days

7. Which one of the following terms is used for the year with 366 days?

- [A] Spring year
- [B] Autumn year
- [C] Giant year
- [D] Leap year

8. The earth moves around the sun in which one of the following orbits?

- [A] Elliptical
- [B] Circular
- [C] Irregular
- [D] Regular

9. A year is usually divided into;

- [A] Summer and winter seasons
- [B] Rainy, hot and humid seasons
- [C] Summer, winter, spring and autumn seasons
- [D] Spring and autumn seasons.

10. On which one of the following latitudes the sun's rays fall directly on 21st June?

- [A] Tropic of Capricorn
- [B] Tropic of Cancer
- [C] Arctic Circle
- [D] Antarctic Circle.

11. During Summer Solstice, which one of the following hemispheres experiences the summer season?

- [A] Northern Hemisphere
- [B] Southern Hemisphere
- [C] Eastern Hemisphere
- [D] Western Hemisphere

12. Which one of the following statements is false about the Summer Solstice?

- [A] It occurs on 22nd December in the Northern Hemisphere
- [B] The longest day and shortest night occur in the Northern Hemisphere on 21st June
- [C] The North Pole is inclined towards the sun,
- [D] The Arctic Circle experiences continuous daylight for about six months

Answers

Basics of geography

1. [B] 2. [D] 3. [B] 4. [B] 5. [C]

Big bang theory

1. [B] 2. [A] 3. [D] 4. [C] 5. [A]

Universe

1. [D] 2. [C] 3. [A] 4. [D] 5. [C]

Basics of solar system

1. [D] 2. [D] 3. [B] 4. [C] 5. [C]

Facts of eight Planet

1. [B] 2. [A] 3. [A] 4. [C] 5. [D]

Mercury

1. [A] 2. [C] 3. [D] 4. [D] 5. [C]

Venus

1. [A] 2. [A] 3. [D] 4. [A] 5. [A]

Earth, Jupiter, Saturn and Uranus

1. [B] 2. [D] 3. [C] 4. [B] 5. [B] 6. [D] 7. [C]
8. [A] 9. [D] 10. [C] 11. [A] 12. [D] 13. [C] 14. [A]

Asteroids, Comets, Moon and Sun

1. [D] 2. [D] 3. [B] 4. [C] 5. [C] 6. [A] 7. [D]
8. [C] 9. [D] 10. [B] 11. [B] 12. [D] 13. [D] 14. [B]
15. [D] 16. [C] 17. [B] 18. [C] 19. [A] 20. [D]

Rotation and Revolution of Earth

1. [C] 2. [B] 3. [A] 4. [B] 5. [C] 6. [B] 7. [D]
8. [A] 9. [C] 10. [B] 11. [A] 12. [A]