

## **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

**Correct Answer:** B [ Amazon ]

**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

**Correct Answer:** 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

Hide Answer

**Correct Answer:** B [Mars & Jupiter]

**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

Hide Answer

**Correct Answer:** B [A space exploration mission]

**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

**Correct Answer:** C [Eagle]

## **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

**Correct Answer:** B[Origin of Universe]

**2. The Milky Way is classified as\_\_\_\_\_.**

- A. Spiral Galaxy
- B. Electrical Galaxy
- C. Irregular Galaxy
- D. Round Galaxy

**Correct Answer:** A[Spiral 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

**Correct Answer:** 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

**Correct Answer:** C[25 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

**Correct Answer:** A[Chandrasekhar 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

**Correct Answer:** 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

**Correct Answer:** C[7 times]

**3) Which planet is known as watery planet?**

(A) Earth

(B) Mars

(C) Venus

(D) Mercury

**Correct Answer:** A[Earth]

**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

**Correct Answer:** 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

**Correct Answer:** C[Venus]

## Basics of solar system

1.The ring of Saturn is made of:

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

**Correct Answer:** 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

**Correct Answer:** 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

**Correct Answer:** B[23.5 degree]

4.The first man landed on Moon in \_\_\_\_\_.

- A. 1949
- B. 1959
- C. 1969
- D. 1979

**Correct Answer:** C[1969]

5.How many moons Mars has?

- A. 2
- B. 3
- C. 4
- D. 5

**Correct Answer:** C[2]

## **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

**Answer:** (b) Venus

Q2. Orion is a

- (a) constellation
- (b) star
- (c) planet
- (d) satellite

**Answer:** (a) constellation

Q3. Which of the following is not a planet?

- (a) Ursa Major
- (b) Saturn
- (c) Neptune
- (d) Mercury

**Answer:** (a) Ursa Major

Q4. Our galaxy is known as

- (a) Earth galaxy
- (b) Sun galaxy
- (c) Milky way galaxy
- (d) Constellation

**Answer:** (c) Milky way galaxy

Q5. Galaxy to which the solar system belongs is called:

- (a) Akash Ganga
- (b) Ursa major
- (c) Orion
- (d) Milky way

**Answer :** (d) Milky way

## Mercury

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

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

**Answer:** A. 30 to 40

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

**Answer:** C. Greenish blue 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 etc.
- D. All of the above

**Answer:** 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
- E. None of the above

**Answer:** 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

**Answer:** C. Neon lamp

## **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

**Answer:** Jupiter and Saturn

**2. Comets revolve around which of the following ?**

A: Sun

B: Venus

C: Jupiter

D: Earth

**Answer:** Sun

**3. Which planet is nearest to the earth?**

A: Jupiter

B: Mars

C: Mercury

D: Venus

**Answer:** Venus

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

A: Venus

B: Mars

C: Saturn

D: Jupiter

**Answer:** Venus

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

A: Venus

B: Mars

C: Mercury

D: Jupiter

**Answer:** Venus

## **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

Ans: B

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

Ans: D

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

Ans: C



40,000 Km

4.The mean radius of the earth is approximately

- (A) 3200 Km
- (B) 6400 Km
- (C) 9600 Km
- (D) 12800 Km

Ans: B

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

- (A) 47%
- (B) 51%
- (C) 66%
- (D) 87%

Ans: B

6.Who is Mars in mythology?

- a) God of Weather
- b) King of Peace
- c) God of Hunting
- d) God of War

Ans : d) God of War

7.How is Mars sometimes referred to?

- a) Blue Planet
- b) [Green Planet](#)
- c) [Red Planet](#)
- d) Yellow Planet

Ans : c) Red Planet

8.Who discovered the two [satellites of Mars](#)?

- a) [Asaph Hall](#)
- b) [Edwin Powell Hubble](#)
- c) [Simon Marius](#)
- d) [William Henry Pickering](#)

Ans : a) Asaph Hall

9.Which spacecraft first visited Mars?

- a) Pioneer 7
- b) Viking 2
- c) Ulysses
- d) [Mariner 4](#)

Ans : d) Mariner 4

10.What is the meaning of phobos?

- a) Love
- b) Envy
- c) Fear
- d) Greed

Ans : c) Fear

**11.Red Planet is known to -**

- A: Mars
- B: Mercury
- C: Venus
- D: Saturn

Ans : Mars

**12.Which planet spin on its axis at fastest rate?**

- A: Earth
- B: Mars
- C: Venus
- D: Jupiter

Ans : Jupiter

**13.Morning Star is known to which planet?**

- A: Mars
- B: Mercury
- C: Venus
- D: Earth

Ans : Venus

**14.Which planet has thirteen moon?**

A: Neptune

B: Mars

C: Earth

D: Saturn

Ans : Neptune

### **Asteroids, Comets, Moon and Sun**

1. The ring of Saturn is made of:

- a) Rocks
- b) Ice
- c) Dust
- d) Both 2 and 3

Ans : Both 2 and 3

2. Which of the following planet is dwarf planet?

- a) Pluto
- b) Ceres
- c) Eris
- d) All of the above

Ans : 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

Ans : 23.5 degree

4. Who was the first man to step on the moon?

- a) Kalpana Chawla
- b) Rakesh Sharma

c) Neil Armstrong

d) Eris

Ans : Neil Armstrong

5. The first man landed on Moon in \_\_\_\_\_.

a) 1949

b) 1959

c) 1969

d) 1979

Ans : 1969

6. How many moons Mars has?

a) 2

b) 3

c) 4

d) 5

Ans : 2

7. The largest moon of Neptune is \_\_\_\_\_.

a) Phobos

b) Deimos

c) Charon

d) Triton

Ans : Triton

8. The largest moon of Saturn is \_\_\_\_\_.

a) Phobos

b) Deimos

c) Titan

d) Charon

Ans : Titan

9. Which planets don't have any moons?

- a) Neptune and Jupiter
- b) Saturn and Mars
- c) Venus and Mars
- d) Venus and Mercury

Ans : Venus and Mercury

10. Which axis of the earth causes the seasons?

- a) straight
- b) tilted
- c) longitudinal
- d) none of the above

Ans : tilted

11. The full form of GPS is:

- a) Global Picture Station
- b) Global Positioning System
- c) Global photo through Satellites
- d) Global Planet System

Ans : Global Positioning System

12. Saturn consists of :

- a) Carbon di oxide
- b) rocks and water
- c) only rocks
- d) hydrogen and helium gas

Ans : hydrogen and helium gas

13. The most beautiful planet is:

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

Ans : Saturn

14.How many moons Saturn has?

- a) 35
- b) 53
- c) 2
- d) 20

Ans : 53

15.Which planet moves fastest?

- a) Uranas
- b) Neptune
- c) Saturn
- d) Jupiter

Ans : Jupiter

16.Which planet has the shortest day?

- a) Neptune
- b) Uranus
- c) Jupitar
- d) Saturn

Ans : Jupitar

17.Which planet rotates from west to east:

- a) Venus
- b) Earth
- c) Both Venus and Earth.
- d) None of these

Ans : Earth

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

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

Ans : Venus

19.Which planet has the longest year?

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

Ans : Neptune

20.The \_\_\_\_ part of the sun is visible to us.

- a) Core
- b) Ozonosphere
- c) Ionosphere
- d) Photosphere

Ans : 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.

Answer:(c) Rotation

2. Which one of the following statements is 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.

Answer:(b) The movement of the earth around the sun in a fixed path

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  $60^\circ$
- (d) an angle of  $90^\circ$

Answer:(a) an angle of  $66\frac{1}{2}^\circ$

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.

Answer:(b) The circle that divides the day from night on the globe

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.

Answer:(c) Earth day

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

- (a) 366 days
- (b) 365% days
- (c) 364 days
- (d) 350 days

Answer:(b) 365% 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

Answer:(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

Answer:(a) Elliptical



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.

Answer:(c) Summer, winter, 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.

Answer:(b) Tropic of Cancer

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

Answer:(a) Northern 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

Answer:(a) It occurs on 22nd December in the Northern Hemisphere.