



KINETICS

We Nurture The Future

IIT-JEE | Medical | Foundations

Stars and the Solar System

Question 1.

Phases of the moon occur because:

- (a) we can see only that part of the moon which reflects light towards us
- (b) our distance from the moon keeps changing
- (c) the shadow of the earth covers only a part of the moon's surface
- (d) the thickness of the moon's atmosphere is not constant

▼ [Answer](#)

(a) we can see only that part of the moon which reflects light towards us

Phases of the moon occur because we can see only that part of the moon which reflects light towards us.

Question 2.

Science of studying composition of universe and other related information is called:

- (a) Astronomy
- (b) Geology
- (c) Astrology
- (d) None of these

▼ [Answer](#)

(a) Astronomy

Science of studying composition of universe and other related information is called astronomy.

Question 3.

Galaxy to which the solar system belongs is called:

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

▼ [Answer](#)

(d) Milky way

Galaxy to which the solar system belongs is called Milky way.

Question 4.

Hottest planet of solar system is:

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

▼ [Answer](#)

(c) Mercury
Hottest planet of solar system is mercury.

Question 5.
The brightest planet in the night sky is:
(a) Mars
(b) Mercury
(c) Earth
(d) Venus

▼ [Answer](#)

(d) Venus
Venus is the brightest planet in the night sky.

Question 6.
Which of the following is not inner planet:
(a) Mercury
(b) Jupiter
(c) Mars
(d) Earth

▼ [Answer](#)

(b) Jupiter
Jupiter is not inner planet. It is outer planet.

Question 7.
Which of the following is not outer planet:
(a) Venus
(b) Saturn
(c) Uranus
(d) Neptune

▼ [Answer](#)

(a) Venus
Venus is not outer planet. It is inner planet.

Question 8.
Halley's comet appears after nearly:
(a) 75 years
(b) 76 years
(c) 76 months
(d) None of these

▼ Answer

(b) 76 years
Hally's comet appear after nearly 76 years.

Question 9.
Shooting stars are:
(a) Stars
(b) Planets
(c) Meteors
(d) Nope of these

▼ Answer

(c) Meteors
Shooting stars are meteors.

Question 10.
Asteroids are seen between the orbits of:
(a) Mercury and Earth
(b) Mais and Jupiter
(c) Earth and Mars
(d) Nne of these

▼ Answer

(b) Mais and Jupiter
Asteroids are seen between the orbits of Mars and Jupiter.

Question 11.
The first Indian artificial statellite was:
(a) Aryabhatta
(b) INSAT
(c) Kalpana-I
(d) IRS

▼ Answer

(a) Aryabhatta
Aryabhatta Was the first Indian artificial satellite.

Question 12.
Distance between stars are measured in:
(a) metres
(b) kilometres
(c) light year
(d) None of these

▼ Answer

(c) light year
Distance between stars are measured in light year.

Question 13.
The largest planet is:
(a) Earth
(b) Mercury
(c) Jupiter
(d) Neptune

▼ Answer

(c) Jupiter
The largest planet is Jupiter.

Question 14.
Remote sensing means:
(a) collecting data from a nearby place
(b) collecting data from a distance
(c) using remote to 'ON' our electronic
(d) None of these appliances

▼ Answer

(b) collecting data from a distance
Remote sensing means collecting data from a distance.

Question 15.
On new moon day:
(a) moon is visible
(b) moon is not visible
(c) only moon is visible partially
(d) none of these

▼ Answer

(b) moon is not visible
On new moon day moon is not visible.

Question 16.
Which of the following is not a member of solar system:
(a) Satellite
(b) Artificial satellite
(c) Sun
(d) Planet

▼ [Answer](#)

(b) Artificial satellite

Artificial satellite is not a member of solar system because it is man-made.

Question 17.

Which of the following is not a planet:

- (a) Mercury
- (b) Mars
- (c) Saturn
- (d) Moon

▼ [Answer](#)

(d) Moon

Moon is not a planet. Mercury, mars and satum are planets.

Question 18.

Which of the following is a Star:

- (a) Sun
- (b) Saturn
- (c) Moon
- (d) Mars

▼ [Answer](#)

(a) Sun

Sun is a star.

Question 19.

A group of small stars is called:

- (a) Orion
- (b) Pleiades
- (c) Sirius
- (d) The great bear

▼ [Answer](#)

(b) Pleiades

A group of small stars is called pleiades.

Question 20.

Orion is a:

- (a) Star
- (b) Satellite of Jupiter
- (c) Constellation
- (d) Artificial satellite

▼ Answer

(c) Constellation
Orion is a constellation.

Question 21.

A constellation with five stars and looking like the letter M is called:

- (a) Orion
- (b) Cassiopeia
- (c) Pleiades
- (d) The great bear

▼ Answer

(b) Cassiopeia
Cassiopeia is a constellation with five stars and looks like the letter M.

Question 22.

The length of shadow is shortest at:

- (a) Morning
- (b) Night
- (c) Evening
- (d) Noon

▼ Answer

(d) Noon
The length of shadow is shortest at noon.

Question 23.

The brightest star of sky is:

- (a) Sinus
- (b) Alpha centuary
- (c) Pleiades
- (d) Pole

▼ Answer

(b) Alpha centuary
The brightest star of sky is Alpha centuary.

Question 24.



The diagram shows which constellation:

- (a) Pleiades
- (b) Leo
- (c) Orion
- (d) Cassiopeia

▼ [Answer](#)

(b) Leo

Leo is the constellation.

Question 25.

Which of the following is star:

- (a) Alpha centuary
- (b) Diebos
- (c) Orion
- (d) Phobos

▼ [Answer](#)

(a) Alpha centuary

Alpha centuari is a star.

Question 26.

Ursa Major is:

- (a) a star
- (b) seen only with a telescope
- (c) a constellation
- (d) a natural satellite of mars

▼ [Answer](#)

(c) a constellation

Ursa Major is a constellation.

Question 27.

Phases of moon are observed because:

- (a) the moon does not reflect sunlight
- (b) the sunlight reflected by some parts of moon reaches the earth
- (c) the shadow of earth falls on the moon
- (d) only some parts of the moon can emit light

▼ [Answer](#)

(b) the sunlight reflected by some parts of moon reaches the earth
Phases of moon are observed because the sunlight reflected by some parts of moon reaches the earth.

Question 28.

Morning and evening star is better known as:

- (a) Venus
- (b) Mercury
- (c) Sirius
- (d) Proxima centuary

▼ [Answer](#)

(a) Venus
Venus is known as morning and evening star.

Question 29.

Which of the following is NOT a member of the solar system:

- (a) An asteroid
- (b) A satellite
- (c) A constellation
- (d) A comet

▼ [Answer](#)

(c) A constellation
A constellation is not a member of the solar system.

Question 30.

Which of the following is NOT a planet of the sun:

- (a) Sirius
- (b) Mercury
- (c) Saturn
- (d) Earth

▼ [Answer](#)

(a) Sirius
Sirius is not a planet of the sun.

[Match the Column-A with Column-B:](#)

Question 1.

Column-A	Column-B
(a) Closest planet to the sun	(i) Uranus
(b) Largest planet	(ii) Venus
(c) Planet with rings	(iii) Mercury
(d) Brightest planet	(iv) Jupiter
(e) Planet which rotates on its axis from east to west	(v) Saturn

▼ Answer

Column-A	Column-B
(a) Closest planet to the sun	(iii) Mercury
(b) Largest planet	(iv) Jupiter
(c) Planet with rings	(v) Saturn
(d) Brightest planet	(ii) Venus
(e) Planet which rotates on its axis from east to west	(i) Uranus

Question 2.

Column-A	Column-B
(a) Inner planets	(i) Great Bear
(b) Outer planets	(ii) Mars
(c) Constellations	(iii) Moon
(d) Satellite of the Earth	(iv) Saturn

▼ Answer

Column-A	Column-B
(a) Inner planets	(ii) Mars
(b) Outer planets	(iv) Saturn
(c) Constellations	(i) Great Bear
(d) Satellite of the Earth	(iii) Moon

Question 3.

Column-A	Column-B
(a) Shooting stars	(i) Orbit
(b) A constellation of seven stars shaped like a big spoon	(ii) Meteors

(c) Path of satellite

(iii) Satellite

(d) A heavenly body which revolves around a planet

(iv) Ursa Major

► [Answer](#)

State whether the following statements are True or False:

Question 1.

All planets rotate from west to east.

▼ [Answer](#)

False

Question 2.

Moon has light of its own.

▼ [Answer](#)

False

Question 3.

The sun is the nearest star to us.

▼ [Answer](#)

True

Question 4.

All the planets of the solar system have one or more satellites.

▼ [Answer](#)

False

Question 5.

Mars is called red planet.

▼ [Answer](#)

True

Question 6.

Pole star is a member of the solar system.

▼ [Answer](#)

False

Question 7.

Mercury is the smallest planet of the solar system.

▼ [Answer](#)

True

Question 8.

Uranus is the farthest planet in our solar system.

▼ [Answer](#)

False

Question 9.

INSAT is an artificial satellite.

▼ [Answer](#)

True

Question 10.

There are nine planets in our solar system.

▼ [Answer](#)

False

Question 11.

Constellation Orion can be seen only with the telescope.

▼ [Answer](#)

False

Question 12.

From space, the Earth appear blue-green due to the reflection of light from water and landmass on its surface.

▼ [Answer](#)

True

Question 13.

The mass of Earth is about 318 times that of Jupiter.

▼ [Answer](#)

False

Question 14.
Saturn is the least dense planet.

▼ [Answer](#)

True

Question 15.
A planet also rotates on its own axis.

▼ [Answer](#)

True

Question 16.
Moon is visible due to reflected sunlight.

▼ [Answer](#)

True

[Fill in the blanks:](#)

Question 1.
The planet which is farthest from the sun is

▼ [Answer](#)

Neptune

Question 2.
The planet which appears reddish in colour is

▼ [Answer](#)

Mars

Question 3.
A group of stars that appear to form a pattern in the sky is known as a

▼ [Answer](#)

Constellation

Question 4.

A celestial body that revolves around a planet is known as

▼ [Answer](#)

Satellite

Question 5.

Shooting stars are actually not

▼ [Answer](#)

Stars

Question 6.

Asteroids are found between the orbits of and

▼ [Answer](#)

Mars and Jupiter

Question 7.

Mercury shows phases like those of

▼ [Answer](#)

Moon

Question 8.

..... is the middle aged star.

▼ [Answer](#)

Sun

Question 9.

Orion is seen during season.

▼ [Answer](#)

winter

Question 10.

Comet seen after 76 years

▼ [Answer](#)

Halley's comet

Question 11.

Arrangement of stars in constellation resembles a hunter.

▼ [Answer](#)

Orion

Question 12.

Transmission of T.V. programmes over distant places made possible with the help of

▼ [Answer](#)

remote sensing

Question 13.

Moon is a satellite of the Earth.

▼ [Answer](#)

natural

Question 14.

First artificial satellite launched by India is called

▼ [Answer](#)

Aryabhata

Question 15.

The earth revolves around the

▼ [Answer](#)

Sun

Question 16.

Venus rotates from to

▼ [Answer](#)

east to west

Question 17.

The various shapes of the bright part of the moon as seen during the month are called

▼ Answer

phases of the moon

Question 18.

The objects in the sky which do not twinkle are called

▼ Answer

planets

Question 19.

The is the brightest object in the night sky.

▼ Answer

Moon

Question 20.

The path in which the planet revolves around the sun is called an

▼ Answer

Orbit
