

The Origin and Evolution of the Earth

I. Choose the correct answer

Question 1.

Who gave the nebular hypothesis?

- (a) Immanuel Kant
- (b) Aristotle
- (c) Chamberlain
- (d) none of these

▼ [Answer](#)

Answer: (a) Immanuel Kant.

Question 2.

When was nebular hypothesis revised?

- (a) 1796
- (b) 1900
- (c) 1950
- (d) 1920

▼ [Answer](#)

Answer: (a) 1796.

Question 3.

The sun is surrounded by

- (a) solar nebula
- (b) dust material
- (c) none of them
- (d) both of them

▼ [Answer](#)

Answer: (a) solar nebula.

Question 4.

Who gave the Big Bang theory?

- (a) Kant
- (b) Chamberlain
- (c) Edwin Hubble
- (d) none of them

▼ [Answer](#)

Answer: (c) Edwin Hubble.

Question 5.

When did the event of Big Bang take place?

- (a) 13.6 million years ago
- (b) 13.7 billion years ago
- (c) 4.6 billion years ago
- (d) 4.6 million years ago

▼ [Answer](#)

Answer: (b) 13.7 billion years ago.

Question 6.

A galaxy start to form a large cloud of hydrogen gas called

- (a) Planet
- (b) Earth
- (c) Moon
- (d) Nebula

▼ [Answer](#)

Answer: (d) Nebula.

Question 7.

The size of the galaxies range from

- (A) 80,000 to 150,000
- (b) 80,000 to 160,000
- (c) 50,000 to 180,000
- (d) 60,150,000

▼ [Answer](#)

Answer: (a) 80,000 to 150,000.

Question 8.

The formation of stars have taken place before

- (a) 5 million years
- (b) 5 billion years
- (c) 6 million years
- (d) 5 to 6 billion years ago.

▼ [Answer](#)

Answer: (d) 5 to 6 billion years ago.

Question 9.

A light year is a measure of

- (a) distance
- (b) time
- (c) both
- (d) none of them

▼ [Answer](#)

Answer: (a) distance.

Question 10.

What is the speed of light?

- (a) 300,000 km/second
- (b) 330,000 km/second
- (c) 30,000 km/second
- (d) 3.0 km/second

▼ [Answer](#)

Answer: (a) 300.000 km/second.

Question 11.

One light year is equal to

- (a) 9.461×10^{12} km
- (b) 9.461×10^{11} km
- (c) 9.4×10^{12} km
- (d) none of these

▼ [Answer](#)

Answer: (a) 9.461×10^{12} km.

Question 12.

The mean distance between the sun and the earth is

- (a) 149,598,000 km
- (b) 159,598,000 km
- (c) 149,498,000 km
- (d) 149,5,980 km

▼ [Answer](#)

Answer: (a) 149,598,000 km.

Question 13.

The distance between the sun and the earth in terms of light years is

- (a) 8.311 minutes
- (b) 8.31 minutes
- (c) 8.310 minutes
- (d) 8.312 minutes

▼ [Answer](#)

Answer: (a) 8.311 minutes.

Question 14.

How many planets are there in the solar system?

- (a) 9
- (b) 8
- (c) 7
- (d) 11

▼ [Answer](#)

Answer: (a) 9.

Question 15.

From which of these our solar system has been formed?

- (a) nebula
- (b) dust grains
- (c) planetesimal
- (d) none of these

▼ [Answer](#)

Answer: (a) nebula.

Question 16.

Which one is known as an inner planet?

- (a) Mercury
- (b) Venus
- (c) Earth
- (d) all of them

▼ [Answer](#)

Answer: (d) all of them.

Question 17.

Which one is known as an outer planet

- (a) Jupiter
- (b) Saturn
- (c) Neptune
- (d) all of them

▼ [Answer](#)

Answer: (d) all of them.

Question 18.

Which one is known as a terrestrial planet?

- (a) Venus
- (b) Neptune
- (c) Pluto
- (d) none of them

▼ [Answer](#)

Answer: (a) Venus.

Question 19.

What are Jovian or Gas Giant planets?

- (a) Inner planets
- (b) Outer planets
- (c) none of these
- (d) both of these

▼ [Answer](#)

Answer: (b) Outer planets.

Question 20.

Planets were formed about years ago

- (a) 4.6 billion
- (b) 4.6 million
- (c) 3.8 billion
- (d) 3.8 million

▼ [Answer](#)

Answer: (a) 4.6 billion.

Question 21.

Name the natural satellite

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

▼ [Answer](#)

Answer: (c) Moon.

Question 22.

Initially, earth was a thin atmosphere mostly containing

- (a) Hydrogen
- (b) Helium
- (c) both
- (d) none of them

▼ [Answer](#)

Answer: (a) both.

Question 23.

When were oceans formed

- (a) 500 million years ago
- (b) 500 billion years ago
- (c) 50 million years ago
- (d) 50 billion years ago

▼ [Answer](#)

Answer: (a) 500 million years ago.

II. Fill up the blanks with suitable words

Question 1.

..... of material was separated from the solar surface.

▼ [Answer](#)

Answer: Cigar shaped tongue

Question 2.

The and of particles led to the formation of a disc shaped cloud and the planets were formed through the process of

▼ [Answer](#)

Answer: friction, collision, accretion

Question 3.

The Big Bang theory is also called

▼ [Answer](#)

Answer: expanding universe

Question 4.

The expansion of universe means increase in space between

▼ [Answer](#)

Answer: galaxies

Question 5.

..... is a measure of distance and not of time.

▼ [Answer](#)

Answer: A light year

Question 6.

Our solar system consists of planets.

▼ [Answer](#)

Answer: 9

Question 7.

.....,, and are called inner planets.

▼ [Answer](#)

Answer: Mercury, Venus, Earth, Mars

Question 8.

Jupiter, Saturn, Uranus, Neptune and Pluto are called

▼ [Answer](#)

Answer: outer planets

Question 9.

..... means earth-like.

▼ [Answer](#)

Answer: Terrestrial

Question 10.

There are in the evolution of the present atmosphere.

▼ [Answer](#)

Answer: three stages
