



**Note: (1) Think and Answer      (2) Mind Choices**

**Name:**

**Date:**

**Areas of Improvement:**

Areas of Improvement:

<b>Maximum Marks (Objective)</b>	<b>15</b>
<b>Marks Obtained</b>	
<b>%</b>	
<b>Maximum Marks (Subjective)</b>	<b>18</b>
<b>Marks Obtained</b>	
<b>%</b>	
<b>Maximum Marks</b>	<b>33</b>
<b>Marks Obtained</b>	
<b>%</b>	

<b>Parent's Signature</b>	<b>Parent's Signature</b>



**Section A**

**[ 0.5 x 20 = 10 ]**

**A. Multiple Choice Questions:**

- 1.** Which planet has the most extensive ring system?  
a) Jupiter      b) Saturn      c) Uranus      d) Neptune
  
- 2.** Which planet is often referred to as Earth's "sister planet" due to its similar size and composition?  
a) Mars      b) Venus      c) Neptune      d) Uranus
  
- 3.** What is the main difference between comets and asteroids?  
a) Comets are made of metal, asteroids are made of ice      b) Comets have tails, asteroids do not  
c) Asteroids are larger than comets      d) Comets orbit the Sun, asteroids do not
  
- 4.** Which planet has the most moons?  
a) Earth      b) Mars      c) Jupiter      d) Saturn
  
- 5.** Which of the following planets is known to have a prominent system of rings?  
a) Mars      b) Venus      c) Neptune      d) Saturn
  
- 6.** What is the primary reason for the phases of the Moon?  
a) The Earth's shadow falling on the Moon      b) The Moon's rotation  
c) The changing distance between the Earth and the Moon      d) The relative positions of the Earth, Moon, and Sun
  
- 7.** What is the main reason we experience different seasons on Earth?  
a) The Earth's distance from the Sun      b) The Earth's elliptical orbit  
c) The tilt of the Earth's axis      d) The Sun's varying brightness
  
- 8.** Which of these planets has no natural satellites?  
a) Mars      b) Venus      c) Jupiter      d) Saturn
  
- 9.** Which planet is often called the "morning star" or "evening star" due to its bright appearance in the sky?  
a) Mars      b) Mercury      c) Venus      d) Saturn
  
- 10.** Which planet is known as the "Gas Giant" along with Jupiter, Saturn, and Uranus?  
a) Mars      b) Neptune      c) Venus      d) Mercury
  
- 11.** What is the term for a rocky body that burns up upon entering the Earth's atmosphere, often seen as a shooting star?

a) Meteor      b) Asteroid      c) Comet      d) Meteoroid

**12.** Which planet is known as the "Blue Planet" due to its blue oceans and atmosphere?

a) Mars      b) Venus      c) Earth      d) Neptune

**13.** What is the primary cause of tides on Earth?

a) The Earth's rotation      b) The gravitational pull of the Moon and the Sun  
c) The Earth's tilt      d) The Earth's orbit around the Sun

**14. Reasoning Question:**

Statement: Saturn has rings around it, while Mars does not.

Reasoning: This is because Saturn is a gas giant with a large system of rings made of ice and dust particles.

**Options:**

a) Both the statement and reasoning are correct, and the reasoning correctly explains the statement.  
b) Both the statement and reasoning are correct, but the reasoning does not correctly explain the statement.  
c) The statement is correct, but the reasoning is incorrect.  
d) Both the statement and reasoning are incorrect.

**15.** What is the name of the galaxy that contains our Solar System?

a) Andromeda      b) Milky Way      c) Triangulum      d) Pinwheel

**16.** What is the name of the force that keeps planets in orbit around the Sun?

a) Magnetic force      b) Gravitational force      c) Electromagnetic force      d) Nuclear force

**17.** The polar star indicates to which direction?

(a) North      (b) East      (c) South      (d) West

**18.** Stars appear to move from

(a) West to east      (b) East to west      (c) North to south      (d) South to west

**19.** Meteoroids are made up of

(a) dust      (b) pieces of rocks      (c) gases      (d) small pieces of glasses

20. What makes the universe?

(a) Millions of galaxies (b) Millions of stars (c) Earth (d) Satellites

B. Fill in the blanks with appropriate words to complete each sentence: [  $0.5 \times 10 = 5$  ]

1. The Amavasya night occurs about \_\_\_\_\_ days after the Poornima night.
2. Stars are celestial bodies that are \_\_\_\_\_ and \_\_\_\_\_.
3. The planets do not possess their own \_\_\_\_\_ and \_\_\_\_\_.
4. The Small Bear constellation is better known as the \_\_\_\_\_.
5. The Greek word which is the origin of the word “planets” means \_\_\_\_\_.
6. Three planets having rings around them are \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_.
7. \_\_\_\_\_ are elongated fixed paths in which a celestial body always remains.
8. Venus is similar to the Earth in its \_\_\_\_\_ and \_\_\_\_\_.
9. The shadows on the moon’s surface are due to \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_.
10. Meteoroids heat up and burn due to \_\_\_\_\_.

### Section B ( any six questions only)

[  $1 \times 6 = 6$  ]

#### Very Short Answer Questions:

Q1. What does the solar family consist of?

Q2. What is the shape of the orbits in which planets revolve around the sun?

Q3. What is “Geoid”?

Q4. How much time does the moon take to revolve once around the Earth?

Q5. What are asteroids?

Q6. What is a meteoroid?

Q7. Give one characteristic of a planet.

Q8. Name the planets which are gaseous bodies.

Q9. Is the solar system expanding?



**Section C (any three questions only)**

**[ 2 x 3 = 6 ]**

**Short Answer Questions:**

Q10. Meteors are not visible during the day. Explain the Reason.

Q11. Name the largest and the smallest planets. Which planets are bigger and which are smaller than the Earth?

Q12. How would the Earth be affected if it is taken: (a) too near or (b) too far from the Sun?

Q13. Define (a) Universe (b) Celestial bodies (c) Galaxy (d) Nebula

**Section D**

**[ 3 x 2 = 6 ]**

**Long Answer Questions:**

Q14. Differentiate between the inner and outer planets.

Q15. What are the differences and similarities between the sun, earth, and moon?

