

## Chapter-7

### Worksheet-2

#### Section 1

- Q1. What are meteors?
- Q2. What is the solar system? Explain.
- Q3. What makes life possible on planet Earth?
- Q4. Write few lines about every planet of the solar system.
- Q5. Explain why do we see phases of moon.
- Q6. Draw and approximate diagram of 'Ursa Major'.
- Q7. Differentiate between Galaxy and Constellation.
- Q8. A star is ten light years away from the Earth. Suppose it brightens up suddenly today. After how much time shall we see this change?
- Q9. Why meteors are not visible during daytime?
- Q10. If the moon emits light of its own, then would it still have phases?

#### Section 2

- Q11. It is difficult to observe Mars because
- a) It is the smallest planet of this universe
  - b) It is too far away from our planet
  - c) It is hidden by the glare of the sun
  - d) None of the above

Q12. Diwakar was looking for Venus in the sky at midnight. Krishna laughed at him because Venus

- a) Appears 1-3 hours after sunrise or 1-3 hours after sunset
- b) Appears 1-3 hours before sunrise or 1-3 hours after sunset
- c) Appears 1-3 hours before sunrise or 1-3 hours before sunset
- d) Appears 1-3 hours after sunrise or 1-3 hours before sunset

Q13. Earlier we had 9 planets in our solar system of which one name has been eliminated as per IAU (2006). The planet is

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

Q14. Light Year is

- a) Year full of light
- b) Year having light work
- c) Year which earth shall become lighter
- d) Distance travelled by light in 1 year

Q15. Which star is nearest to Earth?

- a) Pole star
- b) Orion
- c) Alpha centuri
- d) Sun

Q16. What is the approximate height of a geostationary satellite?

- a) 6400 km
- b) 12800 km
- c) 7200 km
- d) 36000 km

Q17. What kind of planet is Jupiter?

- a) Terrestrial planet
- b) Gas planet
- c) Asteroid
- d) Hottest planet

Q18. How do stars appear to move?

- a) From East to West
- b) From West to East
- c) From North to south
- d) From South to North

Q19. Which planet has the great red spot?

- a) Mars
- b) Venus
- c) Jupiter
- d) Mercury

Q20. What is Ceres?

- a) A satellite of Mars
- b) An asteroid
- c) A Satellite of Jupiter
- d) A meteorite that fell over Siberia