WEL-COME

CHAPTER 1 – SKY VISION QUESTION ANSWER

CLASS – 8TH

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TEACHER (Science)

Que 1) Fill in the blanks

Answer a) Constellations
Answer b) Satellite
Answer c) Neptune
Answer d) Pole Star
Answer e) Orion

Que 2) Choose the correct alternative.

Answer 1) (b) Mercury
Answer 2) (a) Mars and Jupiter
Answer 3) (c) Mercury
Answer 4) (c) satellites
Answer 5) (d) Hailey

Que 3) Answer the following questions:-

1. Why do we find the Sun to be the biggest and the brightest star?

Answer) Ans. We find the sun to be the biggest and the brightest star because it is nearest to the earth. It is 1-5 x 108 km. away from the earth.

2. Why does the pole star appear to be stationary?

Ans. The pole star appears to be stationary from the Earth because it is situated close to the line of the axis of rotation of the earth which is fixed in space. As such, it is the only bright start whose position relative to rotating Earth does not change and is appears to be stationary.

3. Draw diagrams of the positions of different stars in Ursa Major and Orion.

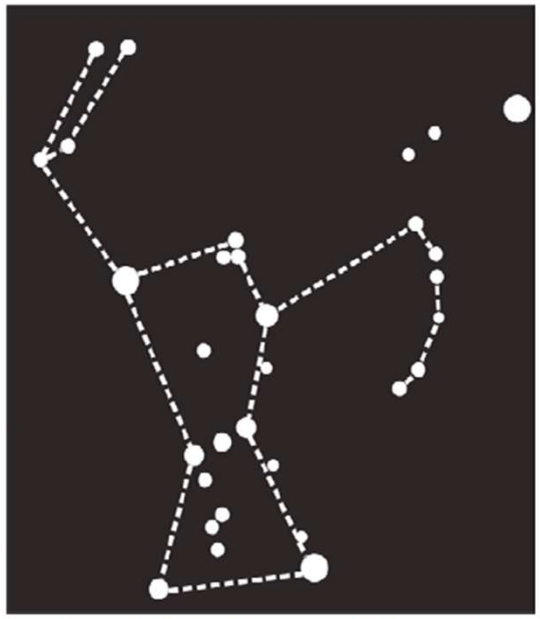

Fig 1.3 Orion/Hunter or Kalpurush

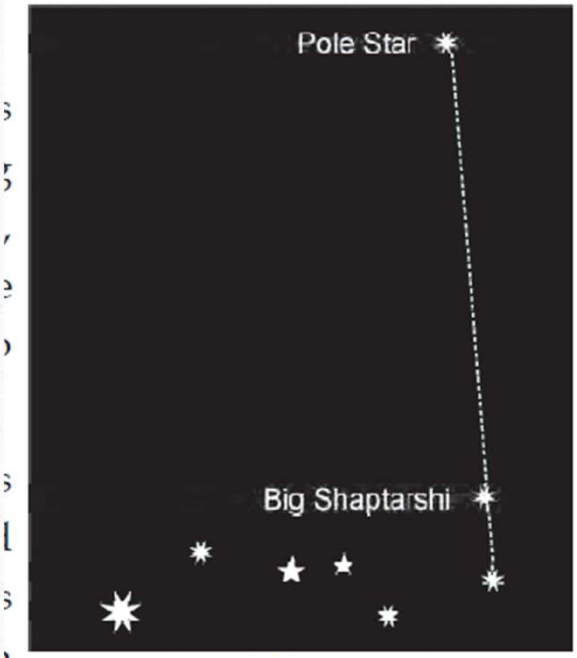

Fig 1.2 Big saptarishi

4. Venus is not the nearest planet to the sun. Then why is it the brightest?

Ans. Venus is the second planet from the sun in distance but it is brightest planet because its brightness is due to the thick clouds in its atmosphere, which reflects back about three-fourth of the sunlight received by it. i.e., it appears like a bright star at the horizon just before sunrise and just after sunset.

5. How will you recognise the pole star?

Ans. Pole Star is found in Saptarishi constellation. We can recognize the pole star as it appears motionless and always found in the north direction.

6. Write the names of the planets as per their increasing distance from the sun.

Ans. The planets as per their increasing distance from the sun are as follows: (i) Mercury, (ii) Venus, (iii) Earth, (iv) Mars, (v) Jupiter, (vi) Saturn, (vii) Uranus, (viii) Neptune.

7. Spell out differences between a planet and a star ?

PLANET	STAR
1. Planets are heavenly bodies that revolve around the sun.	1. The stars are the most attractive of all the objects in the sky.
2. They do not emit their own light. However, they reflect the sunlight	2. These are such objects, which emit light and energy continuously.
3. Example – Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, and Neptune.	3. Example – Sun, Pole Star

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THANK - YOU