

**PARAGON CONVENT SCHOOL**  
**SECTOR 24 B, CHANDIGARH**  
**CHAPTER - 11**  
**MOON AND ARTIFICIAL SATELLITES**

**Multiple Choice Questions. Page no. 116**

1. B
2. B
3. A

**Multiple Choice Questions. Page no. 119**

1. A
2. A
3. A

**EXERCISES**

**SECTION- A**

**A. Oral Questions:**

Q1.- Why do tides occur?

Ans.- Tides occur due to gravitational pull of the moon.

Q2.- Why does life not exist on moon?

Ans.- Life does not exist on moon because there is no air and water on moon.

Q3.- How are eclipses formed?

Ans.- The shadows of the earth and the moon produced by sunlight are called eclipses. At the time of eclipse, the Sun, moon and the earth are in a straight line.

Lunar eclipse occur when the earth comes between the Sun and the moon in a straight line and the earth casts its shadow on the moon.

Solar eclipse occur when moon comes between the Sun and the earth and the moon casts its shadow on the earth.

**B. Science Quiz.**

Q1.- Who was the first Indian woman to go into space?

Ans.- Kalpana Chawala

Q2.- Name the first Indian artificial satellite.

Ans.- Aryabhata

Q3.- Name toe types of eclipses.

Ans.- The solar eclipse and the lunar eclipse

**WORKSHEET**

**A. Multiple Choice Questions:**

1. A
2. B
3. A

**B. Circle the odd ones. Give reason for your choice.**

1. Moon                  Sputnik I                  INSAT - IB

Ans.- Moon: it is a natural satellite whereas others are artificial satellites.

2. Waxing                  Eclipse                  Waning

Ans.- Eclipse: it is formed by the shadows of the earth and the moon produced by sunlight, whereas waxing and waning is increase and decrease in the size of the lighted part of the moon.

3. Lunar eclipse      Solar eclipse                  Gibbous moon

Ans.- Gibbous moon: it is one of the phases of the moon, others are types of eclipses.

**C. Fill in the blanks.**

1. Lunar
2. Moon
3. Artificial satellites

4. Solar eclipse

5. Moon

## **SECTION- B**

### **A. Multiple Choice Questions.**

1. A

2. B

### **B. Very short answer questions**

Q1.- What is the increasing size of the lighted part of the moon called?

Ans.- Waxing

Q2.- What are saucer shaped holes on the moon's surface called?

Ans.- Craters

### **C. Short answer questions:**

Q1.- Why is life possible only on the Earth?

Ans.- Earth has air, water and is at the right distance from the sun, so it has a moderate temperature to support life. Thus life is possible only on the earth.

Q2.- What are artificial satellites? Name any one Indian artificial satellite.

Ans.- The human made satellites in the space which revolve around the earth are called artificial satellites. Aryabhata is an Indian artificial satellite.

Q3.- How are tides useful to us?

Ans.- Tides are useful in following ways:

i. Tides are useful for ships.

ii. High tides help in generating electricity.

iii. The knowledge of the tides is also important for the fisherman before going out for fishing. As in low tides they cannot bring their boats back to the shore.

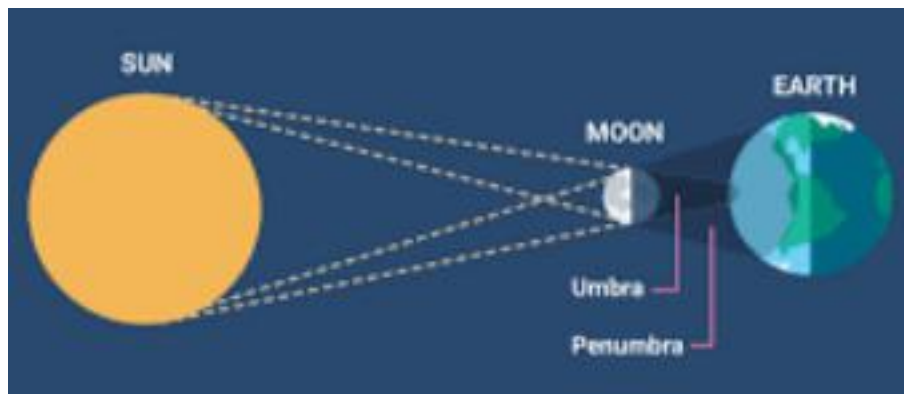
#### **D. Long answer questions:**

Q1.- Describe the surface of the moon.

Ans.- The surface the moon is rocky, rough, uneven and covered with dark grey dust. Surface of the moon appears to consist of bright and dark patches because it is made up of mountains and craters. Craters are saucer shaped holes that have been made when lumps of rocks and iron called meteorites, hit the moon's surface.

Q2.- What is a solar eclipse? Draw its diagram.

Ans.- When the moon comes between the Sun and the earth, the moon casts its shadow on the earth. The people in certain parts of the earth cannot see the sun at all or see it only partially for some time, this is called solar eclipse.



Q3.- Moon appears very beautiful when seen from the Earth. But, it contains many craters.

A) Does life exist on the moon?

B) Do you think we should always be attracted towards the beautiful things only? Why/Why not?

Ans.- a) No, Life does not exist on the moon.

C) No, we should not be attracts towards beautiful things as nothing is perfect in this world. Everyone is having some flaws as well as

some qualities. We should give importance to the potential, talent of a person instead of outer appearance.