

ated a huge fire ball which got spread out in space. As the fire ball cooled slowly tiny particles formed over time, these particles came closer together and formed heavenly bodies. Like this the universe was formed.

2) How does the atmosphere protect us?

Ans: The atmosphere protect us from the harmful rays of the sun. It also keeps the temperature of Earth suitable to sustain life.

3) Explain the movement of the Earth?

Ans: Earth has two movements. Rotation and Revolution. Rotation cause day and night and Revolution cause seasons. The time taken by the Earth to complete one revolution around the sun is 365 days. Earth complete one rotation in 24 hours.

III Answers in brief.

1) What is a natural satellite?

Ans: A natural satellite is a heavenly bodies that moves around a planet.

2) What are comets?

Ans: Comets are made up of rock, ice and gas comets develop a tail when they come near the sun.

3) What does atmosphere consists?

Ans: The atmosphere consists of gases such as oxygen, nitrogen and carbon dioxide. It also includes water and dust particles.

IV Answers in detail.

1) How was the universe formed?

Ans: Scientists believe that billions of years ago, a big explosion occurred in space - The explosion cre-

II Answer in one word.

- ① A collection of gas dust and stars, along with other heavenly bodies → Universe.
- ② The sun that we see in the sky belongs to this galaxy → Milky way / Akash Ganga.
- ③ The heavenly body that lies at the centre of the solar system → sun.
- ④ The planets that does not have moons → Mercury, Venus.
- ⑤ The layer of air that keeps the temperature of earth suitable to sustain life → atmosphere.

2-1 The Universe and Our Earth.

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|--------------------|----------------|
| 1) Objects | 13) Orbit |
| 2) Space | 14) Axis |
| 3) Heavenly | 15) Asteroids |
| 4) Explosion | 16) Comets |
| 5) Fire ball | 17) Atmosphere |
| 6) Big Bang theory | 18) Continents |
| 7) Galaxy | 19) Oceans |
| 8) Milky way | 20) Spherical |
| 9) Solar system | |
| 10) Revolution | |
| 11) Rotation | |
| 12) Satellite | |