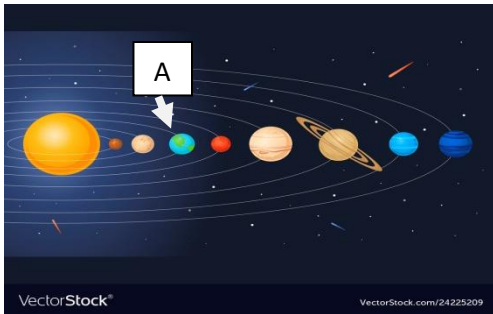


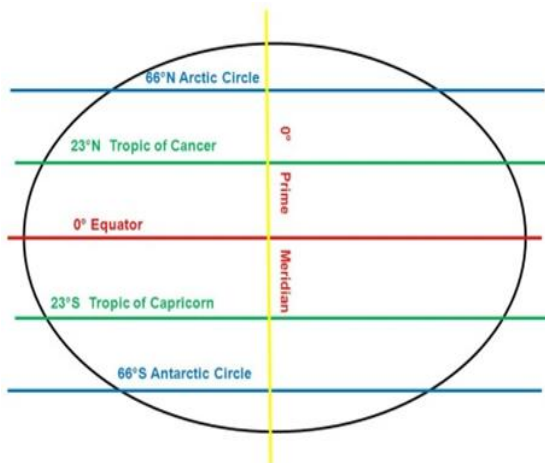
1.



Solar System

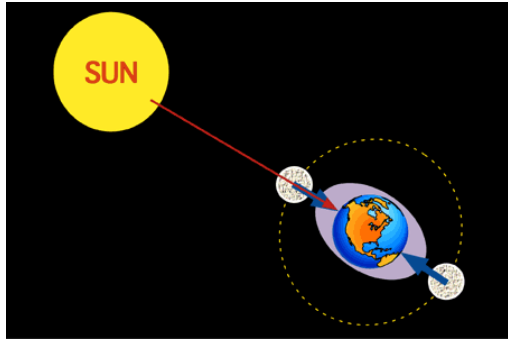
- a) What is called sunspot?
- b) Explain the centrifugal force.
- c) Describe the characteristics of planet “A” marked in the above picture.
- d) Marked planet is the only planet of the solar system where the human and animals can live comfortably. Analyze.

2.



- a) What is the cause of occurring day and night?
- b) Explain standard time.
- c) If it is 10 a.m. in the above prime meridian then what is the time in $35^{\circ}22'$ east longitude.
- d) Do you think the same temperature will prevail in both above indicated sides of the equator in the 3rd week of December? Give your logic according to your answer.

3.



- What is diurnal motion?
- 'The sun is the nucleus of the solar system'. Explain.
- Identify the reasons behind the process indicated in above picture.
- Analyze the impact of the process indicated in above picture on the earth.

4. Mr. and Mrs. Taufiq were travelling to the US from Australia by air. During the flight journey Mr. Taufiq had change the time in his watch. Mrs. Taufiq asked him about it and he told her the time needs to be changed to the local time whenever anybody crosses an imaginary line. The local time is determined by ascertaining the duration of midday.

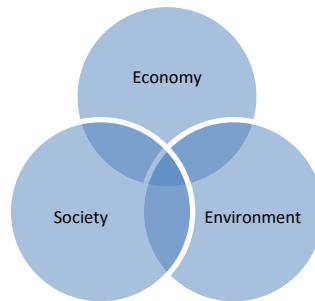
- What is an antipode?
- Explain the results of diurnal motion.
- About which imaginary line has discussed in the stem? Explain.
- Describe other similar imaginary lines that are required to determine time.

Chapter-10

1. Rina is a student of class Ten. Her father works in United Nations for a long time. Recently He is appointed to work in a project which started from 2016 and will end in 2030. They work for achieving some goals based on economic, social and environmental development. He has already started his work with global partnership.

- What is MDG?
- Make a poster on sustainable development goals.
- Explain the probable result of achieving indicated goals.
- "For achieving indicated goals international partnership is very important." Give your opinion.

2. The three major area of Sustainable Development are: economy, environment and society. To achieve SDG these areas have so many challenges in maximum countries. That's why UN works in these major areas to overcome the challenges.



- a) How many goals is declared by UN aims for sustainable development?
- b) Identify the necessity of partnership for sustainable development.
- c) Is Bangladesh has any challeng to achieve SDG? Describe.
- d) How can we overcome the challenges to achieve SDG?

Short Question

Chapter-3

1. The sun revolves on its own axis once in about how many days?
2. What is the only large satellite of a terrestrial planet in the solar system?
3. Who is the largest planet of the solar system?
4. Which is the lowest level of the atmosphere?
5. Why the layer "core" is called Nife?
6. CaptainJordge is going to Japan from Mexico by a ship through Pacific Ocean. What will he do to get actual time after crossing the International Dateline?
7. What do you mean by solar day?
8. What is the cause of waning and waxing day and night?
9. Write the name of four categories of the ebb and flow?
10. What is the temperature of sun's surface?
11. How many satellites the planet Saturn has?
12. What is the average distance of the earth from the Sun?
13. Which region of interior structure of earth is called Basalt region?
14. What is called Latitude?

15. In which region the Equator and prime meridian intersect each other?
16. By which watch the exact time of Greenwich can be known?
17. How can we determine the local time of any region?
18. What is the standard time of Bangladesh?
19. If the time of Bangladesh is 8 a.m., at that time what will be the time of its 15⁰ western country's?
20. Where is the antipode of Dhaka situated?
21. On which date the sunlight falls lengthways towards the tropic of Capricorn?
22. When does earth's perihelion occur?
23. What is the interval between ebb and flow?
24. The local time is decided through which imaginary line?
25. Why does acid-storm fall in the planet Venus?
26. What is an antipode?
27. What is the gravitational force?
28. Explain the "Leap year".
29. What is called Neap tide?
30. Why does Ozone level possess excessive temperature?
31. The summer solstice means ____?

Chapter-10:

1. What is SDG?
2. Define Sustainable Development.
3. What is partnership?
4. Define National & International partnership.
5. Why partnership is necessary for sustainable development?
6. Write down 4 goals of SDG.
7. Write down 4 Probable results of achieving SDG.
8. What are the proposed advantages for Bangladesh by attaining SDG?
9. Identify the challenges of Bangladesh towards achieving SDG.
10. What is MDG?