

Grade 8

Time- 2 Hours

- **Answer all questions.**
- **For question number 1 - 5, select the most suitable answer and underline it.**

01. The sun is a star that emits and energy.
 - i. Flames
 - ii. light
 - iii. rays
 - iv. sounds
02. It is believed the solar system was created years ago.
 - i. 4600
 - ii. 4600 million
 - iii. 6400 million
 - iv. 4600 billion
03. When earth rotates once around it's axis in 24 hours it moves
 - i. 365 days
 - ii. 24 days
 - iii. 180°
 - iv. 360°
04. The imaginary line that divides the Earth into the Northern hemisphere and Southern Hemisphere is known as
 - i. Equator
 - ii. Longitude
 - iii. Latitude
 - iv. Tropic of Cancer
05. Various features on land are presented by colours, letters and symbols in
 - i. pictures
 - ii. newspapers
 - iii. maps
 - iv. photographs

- | | | |
|-----|--|---------|
| 06. | Mercury is the hottest planet in the solar system. | () |
| 07. | Eris is a dwarf planet. | () |
| 08. | The telescope was first used by Galileo Galilei to observe the universe. | () |
| 09. | The days break is considered to be 12.00 midnight. | () |
| 10. | Oxygen makes the largest percentage in the composition of gases in the atmosphere. | () |

- For questions 11 - 15, select the most appropriate word from the brackets and write it in the given space.

(Equinox, 60°, Mars, Jupiter, Revolution, 23.5°, orbit)

11. The largest planet in the solar system is
12. The natural satellite 'Phobos' and 'Deimos' belongs to the planet
13. Earth's revolution round the sun is known as
14. The sun directly over the equator on the 21st of March is known as
15. The inclination of the Earth is

- For question number 16 - 20 correctly match column 'A' with column 'B' and join the answer.

	A		B
16.	Saturn	A.	A dwarf planet
17.	Water	B.	Oxygen
18.	Venus	C.	Northern latitude
19.	Tropic of Cancer	D.	Gaseous planet
20.	Halley's comet	E.	Evening star

(20 x 2 = 40 marks)

Paper II

- **First question is compulsory.**
- **Answer another four questions.**
- **The total number of questions to be answered is five.**

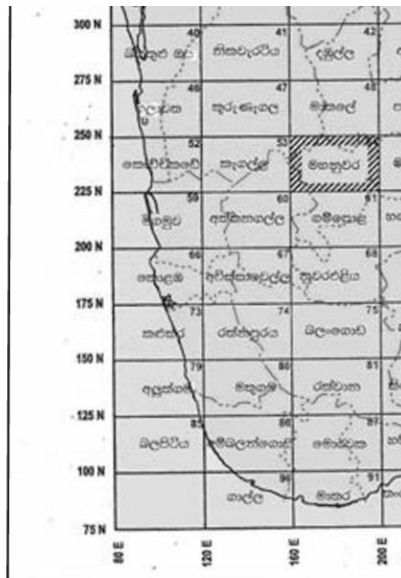
01. i. Words in the brackets indicate several features that can be seen on the ground. Separate these and write these features in the table given.

(rivers, houses, mountains, lakes, highways, forests)

Natural features	Man made features
1	1
2	2
3	3

(6 marks)

- ii. What is the institute that creates 1:50000 topographic maps of Sri Lanka. (2 marks)
- iii. How many 1:50000 topographic map sheets have been created to cover the entire land area of Sri Lanka. (2 marks)
- iv. Using the image showing below of the 1:50000 topographic map sheets, indicate the name and numbers of the map sheet where your school is located. (2 marks)



- v. Using the appropriate colours and symbols, draw the conventional signs used in 1:50000 topographic maps of Sri Lanka.
- a. District boundary
- b. The school
- c. The main road
- d. Paddy cultivation

(4 marks)

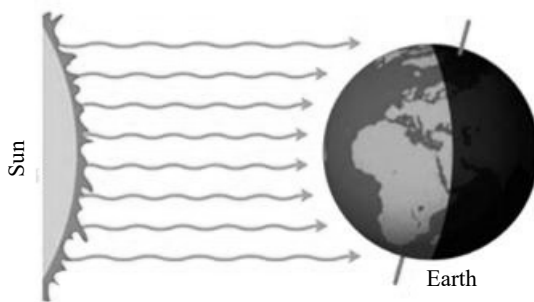
02. i. How was the solar system formed? (1 mark)
- ii. Name two celestial bodies belongs to the solar system. (2 marks)
- iii.
 - It is located in sixth place in terms of distance from the sun.
 - It is the 2nd largest planet.
 - It is surrounded by a spectacular ring system.

Is the planet with the above characteristics is an inner planet of and outer planet? (2 marks)

- iv. How is a star different from a planet? Write two differences. (2 marks)
- v. The sun is important for the existence of the solar system. Write two reasons for prove this. (4 marks)

03. i. Regional changes in time occurs as a result of what event? (2 marks)
- ii. How long does it take for the Earth to travel 2^0 longitude? (2 marks)
- iii. State a possibility if the 180^0 longitude (International date line) were a straight line. (2 marks)

iv.



What event is shown in the above diagram? (2 marks)

- v. Write one impact for each given below.
- a. to people
- b. to plant
- c. to animal
- due to the above incident. (3 marks)

04. i. Why are latitude and longitude important? (2 marks)
- ii. The Earth is divided into how many standard time zones based on longitudes? (2 marks)
- iii. Name two countries in the world that use multiple standard time zones. (2 marks)
- iv. a. Name a country that is North of the equator (0^0)
- b. Is the United States of America located to the East of Greenwich Meridian or to the West? (2 marks)

- v. Sri Lanka is located in the time zone of 75° East longitude. Current time is 12.00 noon in Sri Lanka. What is the current time in the zone of 105° East longitude? (3 marks)
- 05.** i. What is the distance from Sun to Earth? (2 marks)
- ii. Consider the specific facts given below and answer the question.
- Snow and Ice are gradually melting.
 - Tender leaves appear on dormant trees and flowers will start to bloom.
- Which season have the above characteristics? (2 marks)
- iii. Name the two seasons with the highest temperature and the longest night time respectively. (2 marks)
- iv. Name the Equinoxes where the Sun is directly over the equator. (2 marks)
- v. Name three factors that have influences the existence of life on Earth. (3 marks)
- 06.** i. Name two substances in the atmosphere composition other than gases. (2 marks)
- ii. The Earth has an atmosphere. Write down three advantages of it. (3 marks)
- iii. Write down one environmental event and two human activities that cause atmospheric pollution. (3 marks)
- iv. Write down two measures that can be taken to minimize air pollution. (2 marks)
- v. Name a disease caused by air pollution. (1 mark)
- 07.** i. What is the volume of fresh water on Earth? (2 marks)
- ii. Water interchanges cyclically between the land and the atmosphere. What is the name of this process? (3 marks)
- iii. Write two ways in which water is important to living beings and one way in which it is important to plants. (3 marks)
- iv. Write two ways water get polluted. (2 marks)
- v. Write down a problem that could arise among people in the future due to water. (1 mark)