

සියලු ම නිමවීම අවசිරණ]

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බස්නාහිර පළාත් අධ්‍යාපන දෙපාර්තමේන්තුව - කොළඹ අධ්‍යාපන කලාපය බස්නාහිර පළාත් අධ්‍යාපන දෙපාර්තමේන්තුව - කොළඹ අධ්‍යාපන කලාපය බස්නාහිර පළාත් අධ්‍යාපන දෙපාර්තමේන්තුව - කොළඹ අධ්‍යාපන දෙපාර්තමේන්තුව		
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දේවන විද්‍යාලය - 2017		
இரண்டாம் தவணை மதிப்பீடு - 2017		
8 ශ්‍රේණිය	භෞතික විද්‍යාව I හා II පවුය	පැය දෙකයි
தரம் 8	புவியியல் வினாத்தாள்-1-11	இரண்டு மணித்தியாலங்கள்

NAME /INDEX NUMBER :

CLASS :

• Answer all the questions on this paper itself in accordance with the instructions given for each question.

• Questions 01-05, underline the correct answer.

(01) The total number of planets that revolve around the sun

- 1. seven
- 2. eight
- 3. nine
- 4. ten

(02) It is believed that the solar system has been formed

- 1. 4400 million years ago
- 2. 4500 million years ago
- 3. 4600 million years ago
- 4. 4700 million years ago

(03) Celestial bodies that emit light and heat are called

- 1. stars
- 2. solar system
- 3. planets
- 4. meteors

(04) The light that is received from the sun is by the planets.

- 1. scattered
- 2. refracted
- 3. translated
- 4. reflected

(05) The main body in the solar system is the

- 1. Sun
- 2. Saturn
- 3. Jupiter
- 4. Moon

• Questions 06-10, write the answer in the space that is provided.

- (06) The sun and the other celestial bodies which are bound by the of the sun belongs to the solar system.
(temperature , gravity , extreme cold)
- (07) Planets can be seen shining or twinkling in the night sky.
(with, without, extreme)
- (08) The sun provides energy for the existence of on Earth.
(fire, water, life)
- (09) The time taken by Sun to rotate around its axis is days.
(25.5, 26.4, 27.4)
- (10) The spherical shaped celestial bodies that go round the sun is called
(meteoroids, stars, planets)

• **For the questions 11-15, read the statements given and write ‘✓’ if it is correct and write ‘×’ if it is incorrect within the given brackets.**

- (11) Mars is the fourth planet from the sun according to the distance. ()
- (12) Venus is the nearest planet to the Earth. ()
- (13) It has no atmosphere in Mercury. Therefore there is a high risk of falling asteroids and meteors. ()
- (14) According to the information found up to date, Mars is the only planet with life. ()
- (15) Jupiter is the first outer planet in the solar system. ()

• **For the questions 16-20, write the correct answer in the space provided to complete the sentences.**

- (16) Emergence of the on the basis of the movements of the sun, moon and other planets.
- (17) used the telescope to observe the universe for the first time in 1610 A.D
- (18) The imaginary line that separates the Northern and Southern hemispheres of the geographical globe is the 0° latitude which is known as
- (19) The Earth is a spherical object with an area of million

square km.

(20) The Sun being directly over the equator on the 21st March is called the
equinox.

(40 marks)

Part II

- Question **number 1** is compulsory.
- Answer other **four** questions.
- Total number of questions to be answered is **five**.

- (01) (i) Write the surface and the centre temperature of the sun respectively. (2 marks)
- (ii) Mention the two categories of the planets of the solar system that have been divided. (2 marks)
- (iii) State the closet and farthest planets to the sun. (2 marks)
- (iv) Which two celestial objects influence the traditional farming activities in Sri Lanka? (2 marks)
- (v) Name the imaginary lines that run from West to East and the North Pole to South Pole respectively. (2 marks)
- (vi) Name two physical features that can be seen on land. (2 marks)

(Total = 12 marks)

- (02) (i) Name three inner planets. (3 marks)
- (ii) Write four important features of the planet Mercury. (4 marks)
- (iii) (a) Write another name each for the Earth and the Mars.
(b) Write three factors that support the existence of life on the Earth. (5 marks)

- (03) (i) Name the prominent gas that is present in Mars and name two natural satellites of it. (3 marks)
- (ii) Neptune is the farthest planet from the Sun. Write four significant features of the Neptune. (4 marks)
- (iii) International Astronomical Association has identified five dwarf planets in 2006. Name them. (5 marks)

- (04)** (i) There are various ceremonies celebrated on the basis of the Sun and the Moon. Write three such ceremonies or festivals. (3 marks)
- (ii) Write four personalities who were enthusiastic in finding knowledge on the solar system other than Galileo Galilee who invented the telescope. (4 marks)
- (iii) Write two beliefs connected with the solar system and explain the advantages or benefits that are received by the society through them. (5 marks)
- (05)** (i) (a) Name two countries that pioneered in finding the new information about the solar system by using artificial satellites. (3 marks)
- (b) Name the first person who land on the moon.
- (ii) Write the equatorial and the polar diameters of the Earth. (4 marks)
- (iii) Earth is a habitat for all living being. Explain the above statement using two factors (5 marks)
- (06)** (i) Write three results that occur due to the rotation of the Earth? (3 marks)
- (ii) The Sun is overhead on the dates that are mentioned below. Give the exact name that is given for each date.
- | | |
|---------------------------|-------------------------------|
| 1. March 21 st | 3. September 21 st |
| 2. June 21 st | 4. December 22 nd |
- (4 marks)
- (iii) Write five important features of the cold or winter season. (5 marks)
- (07)** (i) Name the three forms of water. (3 marks)
- (ii) Atmosphere is an important layer. State four reasons for this. (4 marks)
- (iii) Water is essential for the existence of living beings. Write two uses of water and explain them briefly. (5 marks)

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- (08) (i) Name three other rock particles or debris that are found in the solar system. (3 marks)
- (ii) Write four features of the planet venus. (4 marks)
- (iii) Mention two benefits received by the human society with the invention of the telescope by Galileo Galilee and describe them. (5 marks)
- (09) (i) Write three significant feature of the planet Saturn. (3 marks)
- (ii) Write two influences on Ramadan festival by the Sun and the Moon. (4 marks)
- (iii) Write a short description with five features on spring season. (5 marks)

