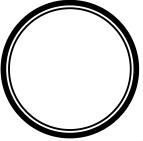




யா/ ஹாட்லி கல்லூரி, பருத்தித்துறை.  
J/ Hartley College, Point Pedro.



முதலாம் தவணைப் பரீட்சை – 2020 – தரம் 8  
First Term Examination – 2020 – Grade 8

புவியியல் I, II  
Civic Education I, II

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I, II

இரண்டு மணித்தியாலம்  
Two Hours

கட்டெண்  
Index No

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## Geography

### Part – I

Select the right answer.

- 1) When has the solar system been formed?
  1. 460 million years ago
  2. 4600 million years ago
  3. 460 years ago
  4. 46000 years ago
- 2) The sun that provides light and energy is a,
  1. Planet
  2. Natural satellite
  3. Star
  4. comet
- 3) The temperature of the centre of the sun is,
  1. 15million°C
  2. 15million°C
  3. 75million°C
  4. 75million°C
- 4) The time taken for one rotation of the sun is,
  1. 24 Earth days
  2. 25 Earth days
  3. 24.5 Earth days
  4. 25.4 Earth days
- 5) The smallest and the largest planets of the solar system are,
  1. Mercury, Mars
  2. Mercury, Jupiter
  3. Earth, Mercury
  4. Earth, Jupiter
- 6) The planets which do not have satellites are,
  1. Mercury, Mars
  2. Mercury, Uranus
  3. Venus , mars
  4. Mercury, Venus
- 7) The planets rotate from east to west are
  1. Mercury, Saturn
  2. Venus, Saturn
  3. Venus, Jupiter
  4. Uranus, Saturn
- 8) The planets which possess the highest temperature and the highest number of satellites are
  1. Mercury, Saturn
  2. Venus, Saturn
  3. Venus, Jupiter
  4. Mercury, Jupiter

9)  It is seen in blue  It is four times larger than the Earth  
 The planet related to the above statements  
 1. Mars 2. Saturn 3. Jupiter 4. Neptune

10) The dwarf planet which has the highest number of satellites.  
 1. Ceres 2. Pluto 3. Make 4. Eris

11) The country that launched an artificial satellite to space  
 1. U.S.A 2. U.K 3. France 4. U.S.S.R

12) The speed of the rotation of the Earth,  
 1. 11.2Km per second 3. 12.1Km per second  
 2. 11.2Km per minute 4. 12.2Km per minute

13) Choose the right answer in the groups  
 1. Equatorial diameter 12714Km polar diameter 12756Km  
 2. Equatorial diameter 12756Km polar diameter 12744Km  
 3. Equatorial diameter 12756Km polar diameter 12714Km  
 4. Equatorial diameter 12756m polar diameter 12714m

14) The Earth's axis tilts at an angle of  
 1.  $66\frac{1}{2}^\circ$  2.  $26\frac{1}{2}^\circ$  3.  $23\frac{1}{2}^\circ$  4.  $63\frac{1}{2}^\circ$

15) When the Earth rotates around its axis once , it moves  
 1.  $15^\circ$  2.  $180^\circ$  3.  $260^\circ$  4.  $360^\circ$

16) Time taken to rotate  $1^\circ$  longitude is,  
 1. 4 minutes 2. 15 minutes 3. 24 minutes 4. 30minutes

17) By how many time zones has the Earth been divided into for the use of international standard time?  
 1. 360 time zones 2. 180 time zones 3. 24 time zones 4. 15 time zones

18) On what basis is the International Date Line marked?  
 1. Greenwich line 2.  $180^\circ$  longitude 3.  $0^\circ$  longitude 4.  $0^\circ$  latitude

19) The longitude shown as a broken line is,  
 1. International data line 3. Arctic circle  
 2. Greenwich line 4. Antarctic circle

20) The sun is directly over the tropic of capricone on  
 1. December 22 Summer Solstice 3. December 22 Winter, solstice  
 2. June 21 Winter Solstice 4. June 21 Summer Solstice

**(20 × 2 = 40 Marks)**

## Part – II

**Answer any of five questions including the first question..**

1) Draw the solar system and mark all the celestial bodies.

**(12 Marks)**

2)

1. What is 'planet'?
2. Explain the 'inner' and 'outer' planets.
3. Give the inner and outer planets.

**(4 + 4 + 4 = 12 Marks)**

3)

1.
  - a. Give two information about 'Mercury'.
  - b. Give two information about 'Venus'.
2.
  - a. Mention two special characteristics of 'Mars'.
  - b. Write the names of Satellites of Mars.
3. Give four special features of planet 'Earth'.

**(4 + 4 + 4 = 12 Marks)**

4)

1.
  - a. What is 'natural Satellites'?
  - b. Mention 4 'natural Satellites'.
2. Explain what dwarf planets are
3. State the number of natural Satellites of the eight planets of the solar system.

**(4 + 4 + 4 = 12 Marks)**

5)

1. Write 6 beliefs connected with the solar system.
2. Mention four persons who were enthusiastic in finding information about the universe.
3. Mention an important invention and the inventor connected with the study of the solar system.

**(4 + 4 + 4 = 12 Marks)**

6)

1. Mention 4 factors that made the Earth a congenial planet.
2.
  - a. What is 'latitudes'?
  - b. Draw and name the latitudes
3.
  - a. What is 'longitude'?
  - b. What are the results of 'revolution'?

**(4 + 4 + 4 = 12 Marks)**

7)

1.
  - a. The time at Greenwich city is 6 a.m. What is the time at  $45^0$  East longitude?
  - b. What is the time at  $60^0$  West longitude?
2.
  - a. What is the 'orbit'?
  - b. Explain "a leap year"
- 3.

<b>Date</b>	<b>The sun is over the</b>	<b>season</b>
March 21		Spring equinox.
June 21		
September 23	Equator	

**(4 + 4 + 4 = 12 Marks)**