



B/DHARMADUTHA COLLEGE.
FIRST TERM TEST - 2017
Mathematics

Grade 8

Time:-2 hours

Part 1

- **Under line the correct answer.**

01) The main source of the solar system

1. Saturn

111. Mercury

11. Sun

1V. Jupiter

02) surface temperature of the Sun is,

1. About 7200°C

111. About 6000°C

11. About 5000°C

1V. About 15000°C

03) Inner planets of the solar system

1. Saturn, Uranus

111. Neptune, Venus

11. Mercury, Venus

1V. Earth, Jupiter

04) The planet which is situated in the fifth place of the solar system,

1. Saturn

11. Jupiter

111. Mercury

1V. Earth

05) How many satellites belong to Saturn

1. 67

11. 62

111. 27

1V. 14

- **If the statement is correct put ($\checkmark$) mark and if it is wrong put ($\times$) mark in the box.**

06) The occurrence of day and night is a result of rotation of the earth

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07) Asteroids are some fragments of rock left over when forming the solar system

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08) The small planets which have fixed orbits are called dwarf planets

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09) Jupiter is the planet which has the highest gravitational force in the solar system

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10) There are not various ceremonies on the basis of the Sun and the Moon

☐

- **Match the correct answers**

11) Distance from the Sun to the Earth	12756km
12) Time for revolution of the Earth	365 days and 6 hours
13) Duration of rotation of the Earth	12714km
14) Equatorial diameter	150 million km
15) Polar diameter	23 hours and 56 minutes

- **Write the short answers to following questions.**

- 16) A planet which is rotate from East to west
- 17) A planet which is existence of life
- 18) A planet which is visible as a reddish object
- 19) The largest planet of the solar system
- 20) A planet which has an attractive set of rings

(2X 20 =40)

Part ii

- First question is compulsory and answer another three (3) questions

01)

i. What is "latitudes"?

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ii. What is longitudes and what is the city which main longitude is situated?

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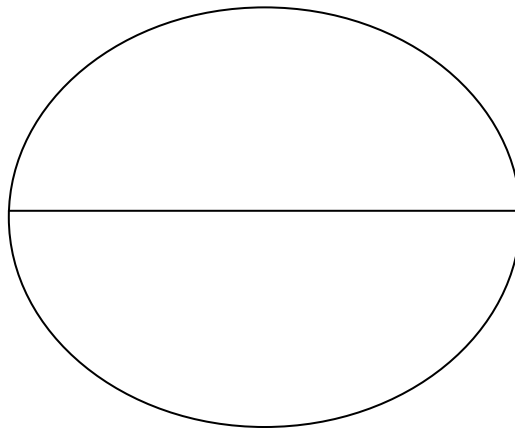
iii. Mention 2 results of rotation of the Earth and draw one of them and describe briefly

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iv. Name following latitudes and main longitudes which marked in a model of globe.



02)

i) Name 03 largest planets in the solar system

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ii) Mention 02 features about stars and planets

Planets

Stars

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iii) Write 05 beliefs connected with the solar system

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03) i) Who used the telescope to observe the universe for the first?

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ii) Name scientists that finding information about the universe

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04) i) Write short description about following topics

- Dwarf planets / Asteroids
- Satellites / Sun

05) The following picture about solar system. Name the planets which depict on numbers.