

Part One: Reading (14points)

Read the text carefully then do the activities.

Text: The planet Jupiter

Jupiter is classified as a gas giant, along with Saturn, Uranus and Neptune. Together, these four planets are sometimes referred to as the Jovian planets.

The planet was known by astronomers of ancient times and was associated with the mythology and religious beliefs of many cultures. The Romans named the planet after the Roman god Jupiter.[11] When viewed from Earth, Jupiter can reach an apparent magnitude of '2.8, making it the third brightest object in the night sky after the Moon and Venus. (However, at certain points in its orbit, Mars can briefly exceed Jupiter's brightness.)

The planet Jupiter is primarily composed of hydrogen with a small proportion of helium; it may also have a rocky core of heavier elements under high pressure. Because of its rapid rotation, Jupiter's shape is that of an oblate spheroid (it possesses a slight but noticeable bulge around the equator). The outer atmosphere is visibly segregated into several bands at different latitudes, resulting in turbulence and storms along their interacting boundaries. A prominent result is the Great Red Spot, a giant storm that is known to have existed since at least the 17th century. Surrounding the planet is a faint planetary ring system and a powerful magnetosphere. There are also at least 63 moons, including the four large moons called the Galilean moons that were first discovered by Galileo Galilei in 1610. Ganymede, the largest of these moons, has a diameter greater than that of the planet Mercury.

-----Adapted from a website

A)-Comprehension (.....points)**1-Are the following statements True or False according to the text?(02points)**

- a)- Jupiter, Saturn, Uranus, and Neptune form a category called JOVIAN planets.(.....)
 b)-In ancient times, astronomers associated Jupiter with mathematics. (.....)
 c)-The planet Jupiter is composed of Oxygen and Carbon dioxide.(.....)
 d)-Great Red Spot is a giant storm that existed since at least 17 century.(.....)

2-Answer the following question according to the text:(01,50points)

a)-How did ancient Romans view the planet Jupiter?

b)-Is Jupiter brighter than the Moon and Venus?

c)-What is Jupiter surrounded by?

d)-When and who discovered the Galilean moons ?

3-How many sentences are there in the second paragraph:(01 point)

Answer: There are.....sentences.

4-In which paragraph is it mentioned that:(01points)

- A long time ago, people of different cultures made a link between ancient myths and the Planet Jupiter. (In paragraph №.....)

B)-TEXT EXPLORATION: (.....points)

1-Find in the text words that are closest in meaning to the following (02point):

- ▶ huge (§1)=.....
- ▶ surpass (§2)=.....
- ▶ visible (§3)=.....
- ▶ owns (§3)=.....

2-Complete the chart as shown in the example (01point):

Verb	Noun	Adjective
To exist
.....	rotation
.....	classified

3-Classify the following words according to the pronunciation of their final "s"(01point)

Classified – associated – launched - referred

/s/	/z/	/ɪz/

4-Complete the dialogue below between (A) and (B):(03 points):

- A:.....?
- B:Astronomy is a science dealing with all celestial bodies.
- A:.....?
- B:Yuri Gagarin is a famous astronomer.
- A:.....?
- B:He is Russian.

5-Complete sentence (b) so as it means the same as sentence (a) (03 points):

- ▶ a)-Amazing discoveries have been made by man.
b)-Man.....
- ▶ a)-The wireless has linked the world together.
b)-The world.....
- ▶ a)-Radioactive waste and chemicals are spoiling our environment.
b)-Our environment.....

PART TWO : write a composition of about 100 words about one of the following topics:

Topic one : Imagine there are other space creatures living far in other unknown and undiscovered planets similar to those we usually watch on science-fiction films (Alliens)

Describe them according to your own imagination .Make reference to the aspects bellow:

- their planet and its name,
- social and governmental system,
- their body ,food and lifestyle in general,
- their language and education,
- their industry, technologies ,communication as well as their means of transportation

Topic two : With the rapid advance of space exploration ,do you believe that one day human beings will be able to live on planet Mars? Discuss this idea.