بنت)(چيزائر ج

Concours d'Accès à l'Ecole Supérieure de Banque Brevet Supérieur de Banque مسابقة الدخول للمدرسة العليا للمصرفة الأهلية العليا للمصرفة

Session 2011 ورة

Matière: Anglais Durée: 2h

المادة: انجليزية المدة 2: سا

## Part One: Reading

Read the text carefully then do the following activities.

(15pts)

Astronomy is one of the sciences to which amateurs can contribute the most.

Collectively amateur astronomers observe a variety of celestial objects and phenomena sometimes with equipment that they build themselves. Common targets of amateur astronomers include the Moon, planets, stars, comets, meteor showers, and a variety of deep-sky objects such as star clusters, galaxies, and nebulae. One branch of amateur astronomy, amateur astrophotography, involves the taking of photos of the night sky. Many amateurs like to specialize in the observation of particular objects, types of objects, or types of events which interest them.

Most amateurs work at visible wavelengths, but a small minority experiment with wavelengths outside the visible spectrum. This includes the use of infrared filters on conventional telescopes, and also the use of radio telescopes. The pioneer of amateur radio astronomy was Karl Jansky, who started observing the sky at radio wavelengths in the 1930s. A number of amateur astronomers use either homemade telescopes or use radio telescopes which were originally built for astronomy research but which are now available to amateurs (e.g. the One-Mile Telescope).

Amateur astronomers continue to make scientific contributions to the field of astronomy. Indeed, it is one of the few scientific disciplines where amateurs can still make significant and useful contributions. Amateurs can make occultation measurements that are used to refine the orbits of minor planets. They can also discover comets, and perform regular observations of variable stars. Improvements in digital technology have allowed amateurs to make impressive advances in the field of astrophotography.

Source: Wikipedia

## A/ Comprehension:

(8pts)

1- Choose the general idea of the text a, b or c:

- a) True astronomers.
- b) Amateur astronomy.
- c) Astronomy is a useful science.

b) Amateur astrophotography mea		
c) Some Amateur astronomers use		
d) Astronomy is a discipline which	n permits amateurs to take	part in discoveries.
3 – What do the underlined words	refer to in the text:	
That $(\S 1) \rightarrow \dots$	; Which $(\S 1) \rightarrow \dots$	
This $(\S 2) \rightarrow \dots$		
4 – Answer the following question	s according to the text:	
a) What are astronomer's targets?		
b) What is the amateur astrophotog	eraphers' activity?	
c) How do a few amateurs work ou		?
d) Have amateurs made considerab		
	ore day and the most opinote	
5 - Is the text? a) Narrative	b) Argumentative	c) Expository.
B/ Text Exploration:		(7pts
1 - Find in the text words whose d	efinitions follow:	
- Natural facts that is seen (§1) =		·····
- A person who first studies some r		
2 - Build opposite from the follow	ing word keeping their roc	ots:
Common – Regular – Useful.		
3 – Ask questions on the underline	d words:	
a) Karl Jansky was the pioneer of a		
b) He started observing the sky at r		930's
b) He started observing the sky at I	auto wavelenguis in the 1.	<u>/// 5</u> .
4 – Rewrite the 2 <sup>nd</sup> sentence so that	t its means the same as the	1 <sup>st</sup> :
a) Amateur astronomers observe a		
- A variety of celestial objects and		
b) In the future, I desire to specialize		
- I wish		
c) "Amateur astronomers continue		
said.	to make scientific continue	ations to note of astronomy,
- He said that have made	a immenagairra adrrangas has	ougo they have worked very
d) Amateur astronomers have made hard.		
	consequently	
- Classify the following words ac	cording to the pronunciat	ion of their final "s":
Astronomers – Objects – Types – A		

2 – Are the following statements true or false according to the text:

a) Amateur astronomers observe the space individually.

6 – A child is asking his grandfather about the planet Jupiter. Complete the conversation:
A:?
B: Jupiter is composed almost entirely of gas.
A:?
B: Yes, it's the largest planet in the solar system.
A:?
B: It's one of the slowest planets of the system.
A: One of my classmates told me that Jupiter is one of the easiest planets to spot from the earth.
B: You can get exact information from the encyclopedia or internet.
Part Two: Written Expression (5pt
Choose one of the following topics.
<u>Topic 1:</u>
Astronomy is one of the most useful sciences today. Use the following notes to write a

paragraph of about 120 words.

Solving mysteries of universe – predicting catastrophes – improving telecommunication:

- Weather forecasting.
- Gathering information about other planets.
- Research / geology etc...

## Topic 2:

For ages man has been interested in space so he hasn't stopped thinking how to get there.

Today many trips and expeditions are organized.

Write a presentation about the history of the space travel.

Good Luck