

PART ONE: READING (15pts)

Charities are independent organizations that help the poor, the homeless, children, old people and animals. They are involved with human rights, education, medical research and conservation of the environment.

In 1997, there were about 180 000 charities in Britain, with a total income of £18 billion. Many charities that are now well known throughout the world, such as "Oxfam" and "Amnesty International", began in Britain. Americans are also enthusiastic supporters of charities. In 1995, they gave over \$ 116 billion.

"Oxfam" has aid programmes to help poor people overseas, especially the victims of natural disasters. Other well-known charities working in Britain include "Barnado's", which helps children, and "Age Concern" and "Help the Aged" which support old people. "Shelter" provides food and a place to stay for the jobless and the homeless.

In recent years, the "Telethon" has proved effective method of fund-raising. During an evening of popular television programmes, television stars ask the public to telephone and promise money to the charities involved. Other fund-raising activities include fêtes and jumbles sales.

(*From Oxford Guide to British and American Culture, p.100*)

1. The text is about: (1pt) a- Natural Disasters b- Charities c- The Oxfam Charity.

2. Answer the following questions according to the text . (3pts)

a- Where did "Oxfam" and "Amnesty International" charities occur?

.....

b- How many charities were there in Britain?

.....

c- What do the "Barnado" charity do?

.....

3. Are the following statements True or False ? (2pts)

a - Charities are governmental organizations that provide aid to people in need.

b - . American don't like charities

c - "Shelter" charity gives jobs and homes to the jobless and the homeless.

d - The "Telethon" is an another way of charity.

4. In which paragraph these ideas re mentioned? (1pt) - Each charity has specific activities.

.....

5. This text is: (1pt) a- a dialogue. b- an article. c- a letter.

6. Find in the text words or expressions opposites to the following. (1pt)

a- young ≠ (§3)

b- private ≠ (§4)

7. Find in the text words or expressions synonyms to the following. (1pt)

a- pledge = (§4)

b- abroad = (§3)

[illegible]

Second Term Exam of English

Part one Read the text carefully, and then do the activities

Wild animals (and wild plants) and the wild places

When they became seriously threatened almost everywhere.

One species became extinct in just part of the century, but many threatened are under threat, in spite of the fact that almost half the number of extinction candidates are rapidly.

Wildlife conservation is a complex task because it is not just the animals but the environment that is under threat. Animals like the gorilla, the whale, the tiger, and the rhinoceros are under serious threat. Among plants, the orchids, the cacti, and the ferns are under threat. Among plants, the orchids, the cacti, and the ferns are under threat. Among plants, the orchids, the cacti, and the ferns are under threat.

However, more important, perhaps, than individual kinds of animals and plants, which habitats are in danger of vanishing. Habitats are being destroyed, and many are being destroyed. Habitats are being destroyed, and many are being destroyed. Habitats are being destroyed, and many are being destroyed.

Reading and Understanding (10%)

Read the following text and do the following activities (10%)

Match these	Paragraphs
a) The author's message for the whole world, especially for our school teachers	1
b) The effects of nature conservation on the environment	2
c) The effects of nature conservation on the environment	3

Do the following statements true or false? (10%)

1. The author's message is that we should only save plants in the world.

2. The author's message is that we should only save animals in the world.

3. The author's message is that we should only save habitats in the world.

4. The author's message is that we should only save habitats in the world.

Do the following statements true or false? (10%)

True	False
1. The author's message is that we should only save plants in the world.	1
2. The author's message is that we should only save animals in the world.	2
3. The author's message is that we should only save habitats in the world.	3

Do the following statements true or false? (10%)

1. The author's message is that we should only save plants in the world.

2. The author's message is that we should only save animals in the world.

3. The author's message is that we should only save habitats in the world.

4. The author's message is that we should only save habitats in the world.

Do the following statements true or false? (10%)

1. The author's message is that we should only save plants in the world.

2. The author's message is that we should only save animals in the world.

3. The author's message is that we should only save habitats in the world.

4. The author's message is that we should only save habitats in the world.

5. The author's message is that we should only save habitats in the world.

2) Complete the following table with the missing word categories (1-3p)

Verb	Noun	Adjective
To flourish		
		Thrived
Flourishes	Flourish	

3) Complete sentence "It" so that it means the same as "by"

Traditional kinds of animals have been reduced by deforestation and farming

by deforestation and farming

5- a) The hunting areas are shrinking unless forests

are better forested

4) Rewrite the following sentence as given unknown paragraph

a) We call deforestation when plants and animals live in forests in a specific place become extinct.

Deforestation goes large areas have been destroyed, so the trees are no longer for wood or forest to return the land for farming

- a) Many animals grow on poor soils, and when they cannot find more or better, the soil is washed away by the tropical rains, so that the necessary trees to return

5) Rewrite the following sentence according to the presentation of their forest "off" (split)

environment - threatened - animals - forest

a	b	c

6) 1.5p

Write an expression/algorithm for one of the following graphs

Graph 1.5p: The algorithm is one of the graphs which is based on some white points (only 10 edges) and 10 vertices (in some of)

Graph 1.5p:

1.5p: In the most dangerous problem, we need to know in which direction we have to go. Then, all the answers should be based on the following (if they have no answer)

It is a few lines left in what should be done to control it? In following, we may help you

- Campaign for nature legislation

- Report: Green (Nature) studies (paper, glass, plastic, ...)

- Using alternative transport (car, bicycle, train)

- Using public transport (riding the train)

- Changing energy (electricity)

- Campaign for "green" (green) (plastic, paper)

Don't forget



PART ONE: READING

(15points)

Read the text carefully and do the activities.

Air and water pollution are two major environmental problems, but so is noise pollution, as our surroundings grow noisier. More people are complaining about the noise from automobile traffic, overhead airplanes, helicopters and neighbours who play with their televisions and stereos much too loudly. These sounds or noises are disturbing. One cannot concentrate on a work project if there is constant drilling at a nearby construction site.

How do people react physically to these unwanted sounds or noises? They react with a complex set of bodily responses known as stress, or arousal. Such changes may include an increase in blood pressure, a change in heart rate, or an excessive secretion of hormones.

Now that you have some ideas that noise is indeed hazardous to our health, you should take some steps to quiet your home and learn how to protect yourself from noise. Keeping stereos, radios and televisions turned down; and avoid noise places. Children should set headsets at lower volumes.

Adapted from the Internet.

1- The text is about:

- a. air pollution b. water pollution c. noise pollution

2- Are these statements true or false.

- a) Air and water pollution are two main environmental problems. *f*
 b) Children should not set headsets at lower volumes *f*
 c) We needn't to take any measures to protect ourselves from noise.

3- Answer these questions according to the text.

- Why are people complaining about noise from different sources?
- Pick up two sources of noise pollution from the text.
- What are the measures that must be taken to protect ourselves from noise?

4- In which paragraph is it mentioned that noise pollution is harmful to health?

§3

5- What/who do the underlined words refer to in the text?

a) their (§1)b) such changes (§2)

B/ Text Exploration:

- Find in the text words that are synonyms to the following.
 - Permanent (§1)
 - dangerous (§3)
- Complete the following chart as shown in the example.

verb	noun	adjective
To endanger	danger	dangerous
	disturbance	
To noise		
	measurab	measurable

- Rewrite sentence (b) so that it means the same as sentence (a).

1.(a) The charter was signed by fifty nations.

(b) Fifty nations signed the charter.

2. (a) Individuals, groups and organizations could create tolerance.

(b) Tolerance

3. (a) The United Nations has not imposed environmental sanctions on the Third World Countries yet.

(b) No environmental sanctions

4. Underline the stressed syllable in each of the following words.

a) pollution b) biology c) technological d) realistic

5. Fill in the gaps with words from the list.

products - aquatic - bathing - than

Water is essential to people in more ways ... than you might think. We need water for cooking, ... bathing ... , transportation and recreation. We eat ... products ... plants and animals. We use water to irrigate our crops, and to manufacture ... aquatic ...

PART TWO : WRITTEN EXPRESSION

(05 points)

Choose either topic one or two.

Topic one: Use the following information to write a short paragraph in which you give some protection measures to save the world. (you can add other measures)

- plant trees (cut withered ones)
- build green dams to stop desertification.
- build water dams in dry regions.
- recycle home and factory wastes.
- disinfect water before throwing it to rivers and seas

Topic two: How can pollution affect our health and life?

Second term exam

PART ONE: READING (15 points)

Read the following text carefully and do the activities.

Chemical reactions happen around us all the time. Some happen all by themselves like photosynthesis, cooking food and burning fuel. A chemical reaction is a process when one or more substances are changed into other substances. How do they happen? It all can be explained by atoms.

Electrons surround the nucleus of an atom in layers called shells or orbits. The first shell, closest to the nucleus, is full with only two electrons. The second shell is full with eight electrons, and the third shell will also hold eight electrons. For the most stable atom, the outer shell needs to be full of electrons. To get a full shell, atoms will take or give up electrons to other atoms or share electrons with another atom. When this happens, a chemical reaction has taken place and a chemical bond has formed.

To better understand this, let's look at the sodium atom. Sodium has eleven electrons. Its first shell is full with two electrons, and its second shell is full with eight more electrons, making ten electrons. However, since sodium has eleven electrons, it has one all alone in the third shell. To become more stable, sodium will easily give up that one electron so it will have a full shell. The extra electron will go to another atom that needs one electron to have a full shell.

(Adapted from <http://edhelper.com>)

A. Comprehension and interpretation. (08 points)

1. Circle the letter that corresponds to the right answer. The text is:

- a) narrative b) expository d) argumentative

2. Choose a title to the text. Circle the letter which corresponds to the best answer:

- a) Electrons and Atoms b) How do Chemical Reactions Happen? c) Sodium Reactions.

3. Are these statements true or false? Write "T" or "F" next to the letter corresponding to the statement.

- a) An atom consists of a central electron surrounded by nucleuses.
b) A chemical reaction is due to electrons mobility between atoms.
c) Taking, giving up or sharing electrons leads to new substances.
d) The sodium has eleven electrons in the third shell.

4- Answer the following questions according to the text.

- a) What is a shell ?
- b) How does a chemical reaction happen?
- c) How many electrons does sodium have?

B. Text exploration. (07 points)

1. Find in the text words that are synonyms to the following:

- a) encircled = (§2)
- b) get=..... (§2)

2- Find in the text words that are opposites to the following:

- a) worse ≠..... (§3)
- b) empty ≠..... (§3)

3. Give the correct form of the verbs between brackets.

- a) If you (mix) oxygen with hydrogen, you (get) water.
- b) What (happen) to you, if you (put) sodium on the tip of your tongue?
- c) Take it for granted that I (call) you, if I (fly) to Algiers tomorrow.

4. Fill in the gaps with words from the list:

kinds - mix - element - reaction

A chemical can happen when you..... two or more chemical elements together. A chemical is made of only one kind of atom. There are more than 100 different of atoms. Atoms are much too small to see.

5. Classify the following words according to their syllables:

atomic - mobility - wanted - leaves

1syllable	2 syllables	3 syllables	4syllables
.....

PART TWO: WRITTEN EXPRESSION (05 points)

Choose one of the following topics

Topic 01:

Suppose that you were in a dilemma. In no more than 12 lines, write a letter to an 'agony aunt', in which you seek help.

Use the following notes:

- Say why you are writing.
- Introduce yourself.
- Expose your problem.
- Ask for advice.

Topic 02:

Noise pollution is today considered as one the most effective and dangerous kind of pollution on human health. Write a paragraph exposing this new kind of pollution.

SECOND TERM EXAM

Part one: reading and interpreting:

Read the text carefully then do the activities

Human beings discovered the immense capacities of their intelligence hundred centuries ago. Since that time, they have never stopped using it to find the right solutions to the countless problems they meet. Very often, the difficulties of existence are very complex and to surmount them very hard, so ordinary people do not have the intellectual ability which is necessary to eliminate them. It is in the fact thanks to the genius and sacrifices of inventors of each generation that most nations have succeeded to bring positive changes to their daily life. The thousands of technical creations that have been made throughout history have really ameliorated not only the material conditions of people but also their health and their situation at work. The possibility to eat food regularly, to live in comfortable houses and to travel to distant places with the maximum of safety has become accessible to almost everybody. But the most important advantage that the numerous inventions have offered to the world is certainly the great progress which has been continuously produced in the field of economy.

A/ Compréhension /Interprétation: (08 pts)

1/ Choose the general idea of the text:

- a) general facts about inventions and technology.
- b) Inventions for the good of mankind.
- c) The rapid development of technology.

2/ Are the following statements true or false?

- a) People do not use their intelligence for the good of society.
- b) Inventors have the same intelligence as ordinary people.
- c) Scientific inventions and technical creations have brought immense progress to mankind.
- d) The advances of science are independent of human efforts.

3/ Answer the following questions according to the text:

- a) What is the main element we find with inventors?
- b) Are scientific inventions of a recent origin?
- c) Do people benefit from the progress of science?

4/ Find in the text synonyms to the following words:

Move=.....

benefit=.....

5/ Find in the text opposites to the following words:

Always =.....

negative =.....

B/ Text Exploration:(08pts)

1/ Complete the following chart as in the example:

Verb	Adjective	Noun
To produce	Productive	Production
.....	Learned	.....
To manifest	.....	.....
.....	.....	Progression

2/Reorder the following words to have a meaningful statement:

Science / developed / technology / and / countries / are / of conscious / of / the important / powers /.

3/ Express each sentence differently:

- a)My father gave me a watch.
- b)A letter was written by my secretary.
- c)He will take that decision.

4/Classify the following words according to their final "s":

Tops- riches- goods- slashes- gets- fees-garages- asces.

/s/	/z/	/ɪz/

Part two: written expression: (04pts)

Choose one of the following topics:

Topic one: using the following notes, write a composition of about 80to120 words.

What benefits could be drawn from the progress of science?

- New medicines.
- New machines.
- Easier, longer, more comfortable life.
- More free time – more entertainment.

Topic two: write a conversation of about 80 to 120 words between an old man and a young man on science and technology. They hold opposing views on the role and consequences of technology.

Good luck.

PART ONE: READING

(15 points)

Read the text carefully and do the activities.

The future of our planet rests in hands of the world's leaders. If they get it right, there will be no need to worry about anything else. You need only to look at the weather to know something odd is happening. It is called global warming. It's what happens when greenhouse gases such as carbon dioxide build up and act like a thermal blanket around the world. As we pump more of them into the air by burning coal, oil and gas, this blanket thickens and the world warms up. That, of course, will mean more freak weather, flooding and drought. The sea level is likely to rise by at least three feet. All that doesn't sound much, but it's enough to swamp many cities and towns around the world.

And that's not all. Experts believe that we have been seriously underestimating how fast global warming will happen. They think that by the time today's newborn babies are 50 years old, we could have set in motion a catastrophic chain of events that will leave much of the planet a desert. They predict a future in which our children see rainforests burst into flame, and seas boil, unless we act today.

*Adapted from Perform Through English (p 117)***A- Comprehension and Interpretation . (07 points)***1- Copy the title you think is the most appropriate to the text.*

- a- Our Planet Earth.
- b- Rainforests Burst into Flame.
- c- Global Warming.

2- Are these statements true or false? Write "T" or "F" next to the letter corresponding to the statement.

- a- Global warming is a current phenomenon.
- b- Carbon dioxide released in the air does not cause global warming.
- c- The rise of the sea level will swamp cities and towns.
- d- There might be no rainforests in 50 years.

3- Answer the following questions according to the text.

- a- What are the possible effects of global warming?
- b- Are experts optimistic about life in the future?

4- Who/What do the underlined words refer to in the text?

- a- As we pump more of them ... (§1)
- b- They predict a future... (§2)

B- Text Exploration.(08 points)

1- Find in the text words that are synonyms to the following.

a) unusual (§1)

b. disastrous (§2)

2- Classify the following words in the table.

warming

pollution

misuse

unimportant

Prefix	Root	suffix
	pollu	tion

3- Rewrite sentence (b) so that it means the same as sentence (a).

1. a- The government has limited resource extraction.

b-Resource extraction.....

2. a- We should stop desertification.

b- Desertification

4- Write the silent letter(s) in each of the following words.

(honesty - should - climb - drought

5- Fill in the gaps with words from the list.

air- destroyed - deserts - even

Our planet is in great danger. All over the world,(01)..... are advancing. Forests are being(02)..... at an alarming rate. Lakes, rivers and(03)..... seas are being poisoned and polluted. Perhaps most seriously of all, the(04)..... we breathe is changing for the worse.

PART TWO: WRITING

(05 points)

Choose ONE of the following topics.

Topic One:

Write an essay on the following topic.

You will have an exam next week; one of your friends is anxious. What advice would you give him/her?

Topic Two:

A ship carrying a huge cargo of oil has just wrecked off the Algerian coasts. Imagine you were the spokesperson of the company owning the ship. Use the following notes to write a press release to apologize for the damage and promise reparation.

- 900 workers recruited soon
- oil recuperated with special machines
- beaches cleaned
- birds washed out
- marine life restored
- tourist industry compensated for its losses

The Second term Examination

Part one: Reading. (15pts)

A- Comprehension:(08pts)

Read the following text then do the activities.

Science has provided us with swift means of communication. The railways have removed all those dangers and difficulties that man had to face during a journey in the past. In the aero plane, he can fly like birds. The globe has shrunk and the world has become a small place. Science has conquered time and space. Still more wonderful is the invention of the wireless. It is now possible to talk to a person at a distance of thousands of kilometres. Additionally, Science has invented many wonderful machines. Electricity is another wonder of science. It has turned nights into days. In the winter it heats our rooms and in the summer it cools them. It moves our fans and other machines. Science has also achieved wonders in the field of medicine. There is now a cure for all kinds of illnesses.

It is not possible to enumerate all the wonders of modern science. Every day we hear of a new wonder. It is hoped that the peaceful use of every bit of science would bring in an age of prosperity, that the world has never seen before.

“Adapted from internet”

1- What is the text above?(0,5pt)

- a- a report b- a letter c- a story

2- Say whether the following statements are true or false: (1,5pt)

- a- Science had a great impact on our life.....
b- Many machines have been created by science.....
c- One of the amazements of science is electricity.....

3- Answer the following questions according to the text: (03pts)

- a- Would life be possible without the inventions of man?

.....

- b- Is it easy to reach someone from far away, nowadays?

.....

- c- What is the role of electricity in our lives?

.....

4-Reorder the following ideas according to their occurrence in the text: (01,5pt)

- a- The contribution of science was remarkable in many aspects of our lives, such as travelling, keeping contact with each other ...etc
- b- It is not possible to live without the creations of science
- c- Science has made everything available for our benefit.....

5-What do the underlined words refer to in the text?(1,5pt)

Its (§1) refers to: those (§2) refers to: it (§2) refers to:

B- Text exploration:(07pts)

1- Find in the text words that are closest in meaning to the following: (01pt)

a- Synonyms of:

Necessary (§1) =

Created (§2) =

b- Opposites of:

Sadness (§1) ≠

Traditional (§3) ≠

2- Rewrite sentence 'B' so that it means the same as sentence 'A'.(02pts)

a. Science made important contributions to our life.

b. Important.....

a. Water must not be wasted.

b. We.....

3- Put the verbs between brackets into the correct tense.(02pt)

a- If a balloon (to be) rubbed and then placed on a woollen coat sleeve, it (to stick) to the wall.

.....

b- If we (not hurry), we (to arrive) late to our meeting.

.....

4- Re-order the words of the following sentences to make them meaningful. (02pt)

a- Lead / curiosity / discoveries / to / man's / many.

.....

b- changes/ a lot / brought / in / the / man / life / Science / of / has / of

.....

5- Underline the stressed syllable in the following words: (01pt)

Television

– atomic

–Responsibility

– Physics

Part two: Written Expression (05pts)

Choose one topic from the following:

Topic 01: Write a short paragraph explaining the various fields which physics study.

Use the following notes: -astronomy and sending flying objects into the space –construction of public works like airports, bridges, and motorways. –Study of atoms - flow of electrons –mechanics – Forces to apply on moving objects –electrostatics.

Topic 02: Suppose that you were in a dilemma. In no more than 15 lines, write a letter to an agony aunt; in which you seek for help.

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Name/Class.....

The second Examination of English

Haiti in Ruins After Huge Earthquake

Television pictures are slowly beginning to show how great the damage is in Haiti following the huge earthquake on Tuesday. A magnitude 7.3 quake, just 16km from the capital, hit the Caribbean nation as people were going home after work. It was the worst earthquake to strike Haiti in more than two centuries. Much of the country has been devastated. Many major buildings in the capital Port-au-Prince have collapsed, including the Presidential Palace and the UN headquarters. Haiti's President Rene Preval described the scene in the capital as "unimaginable". The Red Cross says up to 3 million people have been affected. Mr. Preval fears "well over 100,000 people" may have died.

Haiti's ambassador to the USA, Raymond Joseph, said there was "no way of estimating" how many casualties there were. Countries around the world are acting quickly to send whatever help they can to Haiti. US President Barack Obama has promised America will do all it can to help. He vowed "unwavering support" following a "particularly cruel" disaster. Haiti is one of the poorest countries in the world. More than half its people live below the poverty line on less than two dollars a day. It is one of the poorest-equipped countries on Earth to deal with such a catastrophe. The nation was still trying to recover from being hit by four deadly hurricanes in 30 days in 2008. Its economy is in ruins and it has a long history of corruption and coups.

BreakingNewsEnglish.com/January 14th, 2010

Ex1/Choose the general idea of the text:

- a-Deadly hurricanes of 2008. b-A real Tsunami experience. c-Huge earthquake.

Ex2/Say if these statements are (True) or (False) according to the text:

- a-Most Haitians were having their breakfast when the earthquake hit.
b-The president's palace was in ruins after the earthquake.
c-Haiti's ambassador to the US has a good idea of casualty figures.
d-Haiti was hit by four different hurricanes in 2008.

Ex3/Answer these questions according to the text:

- a-Which major buildings in the capital have collapsed?
b-How did countries around the world react?
c-Was Haiti able to face such a disaster?

Ex4/In which paragraph is it mentioned that it was very difficult to know exactly the number of victims??

Ex5/What or who do the underlined words refer to in the text?

- a-The country. b-They. c-He.

Text exploration :

Ex1/Match words in column(a) with their synonyms in column (b):

A-words	B-synonyms
1-show	a-lethal
2-devastated	b-reveal
3-support	c-help
4-deadly	d-ruined

Ex2/Fill in the table below:

Verb	Noun
begin	.....
.....	help
differ	.....
.....	equipment

Ex3/Re-write sentence(b)that means the same as (a):

a1-The ambassador asked:"How do they know the number of casualties?"

b1-The ambassador asked.....

a2-US president Barack Obama promised:"America will do all it can to help" .

b2-US president Barack Obama promised that.....

Ex4/Underline the silent letters in the following words:

comb - talk - island - sword

Ex5/Reorder the following sentences to write a coherent paragraph:

a-Important measures were taken by the government.

b-It destroyed the whole town.

c-At midnight a violent earthquake awakened people.

d-To rescue & help the victims.

a	b	c	d

Written expression: Choose either topic1 or topic2

Topic1/Using the following notes write a short paragraph about the 2003 Boumerdes earthquake occurred on May 21st,2003.....

-Magnitude 7.3 on Richter scale

-2266 people killed & 10261 injured

-More than 1243 buildings completely or partially destroyed

-150000 people became homeless

-solidarity among Algerians(rescuers, food, blood, clothes)

-government program to reconstruct the affected area.

Topic2/ Are you ready to volunteer & take part to save people in danger of natural disasters???
Justify your answer with arguments.

SECOND TERM EXAM

Part One: Reading

Read the text carefully and do the activities

Everyone knows that some objects float in water and that others do not. An object that floats in water might sink in alcohol, and one that sinks in water might float in glycerin. All liquids possess in varying degrees the property that is called buoyancy- an upward push upon objects that are submerged within them.

If you throw a piece of dry wood into a pool, the wood floats; the upward push of the water makes this possible. An object that sinks in water- like a piece of iron- weighs less when under water than in the air; this also is because the water exerts an upward pressure upon it. When you are taking a bath in a well-filled tub, you can raise your whole body easily by a slight pressure of your hands. You could not do this so easily if you tried to raise yourself from the living-room floor because air is less buoyant than water.

In the third century BC, Archimedes discovered the principle of buoyancy. It states that a body wholly or partly immersed in a fluid is buoyed upward with a force equal to the weight of volume of liquid it displaces. Let us imagine that in a full pail of water we place an iron ball that weighs ten pounds when weighed in air. We discover, however that under water this ball weighs only eight pounds- a loss of two pounds. The volume of water that spilled over when the ball was placed in the full pail weighs two pounds, which just equals the ball's loss of weight. The ball is actually buoyed up by a force equal to the weight of the water it displaces.

A/ Comprehension and Interpretation:

1- Write the letter which corresponds to the right answer:

A/ The text is about:

- a- The property of buoyancy b- Famous discoveries c- Scientific experiments

B/ The weight of some objects under water and in the air is:

- a- The same b- different c- unknown

C/ The experiments conducted through the text fit in :

- a- Biology b- physics c- chemistry

2- Answer the following questions according to the text:

- a- Do all objects sink in water?
b- How is buoyancy defined in the text?
c- Why is Archimedes so famous today?

3- In which paragraph is the explanation for the experiment given?

4- What or who do the underlined words refer to in the text?

- a- One (1§) b- this (§2) c- that (§3)

B/ Text Exploration :

1- Find in the text words that are synonyms to the following:

a- Own=(§1) b- entire= (§2)

2- Find in the text words that are opposite in meaning to the following:

a- more (§2)≠ b- empty (§3)≠

3- complete the chart as shown in the example:

Verb	Noun	Adjective
To invent	Invention	Inventive
.....	experiment	.....
To believe	.....	.....
.....	.....	successful

4- Give the correct form of verbs in of the brackets:

If you (to rub) an object with silk, it (to acquire) a positive charge. But when two balloons (to be rub) against a woollen sleeve, they (not attract) to each other because the charge they acquire (to be) the same, either positive or negative .

5- Classify the following words according to the number of their syllables:

experiment- science- float – hypothesis

One syllable	Two syllables	Four syllables

6- Fill in the gap with the words from the list :

moves- happens – energy – flow

Electricity is a type of ...1..... that can build up in one place or ...2..... from one place to another. When electricity gathers in one place it is known as static electricity. But when it...3..... it is called current electricity. Static electricity often ...4..... when you rub things together.

Part Two: Written Expression

Choose one of the following topics:

Topic 1:

Use the information to write a description of an experiment

*You/ to fill two bowls / with warm tap water

*You / to add salt / to one of the bowls

*You / to place two eggs / different

*Egg in salt water / to float

*But other egg / to sink

*Why? salt water / heavier / tap water

Topic 2:

What will you do if you fail your baccalaureat exam next year?

The second Examination of English

Read the text carefully, then do the following activities:

Scientists test WiTricity - wireless electricity

A team of US researchers has come up with an electricity system that does not need wires. This is a breakthrough in what will hopefully be a wireless future. The scientists, from the Massachusetts Institute of Technology, lit a 60-watt light bulb using magnetic fields. In the test, the power source was just two metres away from the light, but the team hopes they will soon be able to send electricity longer distances through the air. They have dubbed their new invention "WiTricity", or wireless electricity. Although wi-fi has been around for some years now, it has been limited to the transmission of information, especially between computers and modems, printers and scanners. This is the first time electrical appliances have been powered wirelessly.

This new development means that our houses may be free from tangled wires. Gone will be the days of having to unplug the vacuum to go from room to room, and of having countless plugs hidden behind the TV and stereo. The new source of delivering power to gadgets remotely may also reduce the number of fires caused by poor wiring and overloaded sockets. It turns out the concept is not so new. A century ago, inventor Nikola Tesla struck upon the idea of building a huge tower in New York that would wirelessly beam power to the city. Unfortunately, his idea never came to fruition, until today, that is. It will still be a while before we have wireless homes and offices. Safety experts will be checking closely to ensure the power source causes us no harm.

BreakingNewsEnglish.com/13th June, 2007

Ex1/Is the text above: a-Narrative. b-Expository. c-Argumentative.

Ex2/Say if these statements (True) or (False) according to the text:

- a-Scientists have tested a radio that doesn't have wires inside it.
- b-Scientists have sent electricity two meters through the air.
- c-Wi-fi is a concept that first originated at the end of last year.
- d-WiTricity may reduce the number of household electrical fires.

Ex3/Fill in the chart with information from the text:

The new invention

Name?	Inventor?(who)	Where?	Description.what is it?

Ex4/Answer these questions according to the text:

- a-Did scientists use wi-fi to transmit electricity,before?
- b-Why does the writer believe that "WiTricity" is safer?

Ex5/What or who do the underlined words refer to in the text:

- a-They(\$1)
- b-It(\$1)
- c-That(\$2)

Text exploration:

Ex1/Match words in column(a) with their synonyms in column (b):

A - words	B - synonyms
1-Breakthrough	a-gadgets
2-dubbed	b-called
3-transmission	c-revolution
4-appliances	d-send out

Ex2/Which adjectives can be derived from these words:

Electricity - state - power - America

Ex3/Put the verbs between brackets in their correct forms:

a-If you (to mix) oxygen with hydrogen, you(to get) water.

b-What (to happen) to you if you (to touch) a wire of electricity??

Ex4/ Mark the stress on the following words:

Electricity - invention - technology - economic.

Ex5/Fill in each gap with only one word from the list below:

(energy - natural - experiments - use)

Electricity is one of our greatest.....1..... sources and one of the few.....2.....energy sources.Franklin's electricity.....3.....were the first scientific venture into the nature and.....4..... of electricity and uncovered its true nature.

Written expression: Choose either topic1 or topic2:

Topic1/Your school life is full of scientific experiments...In no more than 15 lines tell us about an experiment you did or you saw(in physics- biology-chemistry.....)

These notes may help you:

1-Introduce the experiment/observation.

2-Hypothesis.

3-Describe the steps of experiment.

4-Report the results.

Topic2/Suppose that your friend needs your advice. He/she suffers from stress, sadness, lost of self confidence.....Write a letter in which you express your sympathy and give him/her some recommendations.

Good luck for all

Second Term Exam

Let's go to the Moon

Human has walked on the moon since the Apollo 17 mission in 1972. However, this time the astronauts will stay longer than the few days of the Apollo 17 mission. So now, NASA is working on everything that will be needed to make the moon a place where a crew of astronauts can live for months.

Explorers from earth will build their own habitat, or home. Their home must protect **them** like no home on earth would ever need to do. Why ?

There is no air on the moon. The temperature varies from -233 celsius at night to 123 celsius at day. Tiny micro-meteors rain down on the moon's surface. And no atmosphere means no protection from the sun's harsh radiation.

So, a moon home will have to be strong and solid. **It**'ll have to be air tight, so the inside can be pumped up with oxygen without exploding or leaking. The habitat will have to be cooled during the moon day and heated during the moon night. It will need a water, power and food.

<http://spaceplace.nasa.gov>

1. Tick the right answer

The text is : a) a report b) a web article c) a newspaper article

2. Are these sentences true or false

- a. Apollo 17 stayed for one whole year on the moon.
- b. Homes on the moon must protect astronauts better than homes on Earth.
- c. Oxygen is available on the surface of the moon.

3. Answer the following questions according to the text

- a. Do astronauts intend to spend more time on their next mission on the moon ?

*

- b. what must explorers do in order to be able to live on the moon ?

*

- c. who will build the habitat on the moon ?

*

4. What or who do the underlined words refer to in the text ?

It(\$4)

them(\$2).....

5. Match words with their definitions

words	definitions
1. a comet	a. the mixture of gases surrounding the Earth.
2. a constellation	b. travelling into a place for the aim of learning about it.
3. atmosphere	c. a bright ball with a tail that orbits the Sun.
4. exploration	d. a group of stars that forms a particular pattern and has a name

6. Derive the adjectives of the words below

Move →

Explore →

Space →

Discover →

7. Ask questions upon the underlined words

* That satellite weighed 1.120 pounds.

*

* Venus is 108 million km far from Earth.

*

8. put the verbs in brackets into the correct forms

* Said (to get)..... good mark in the exam if he (to revise).....Space and Technology Unit well.

* if you (to heat)..... ice, it (to melt).....

9. Mark the stress in the words below

Physics specific rotation biology technology

10. Fill in the gaps with the words below.

Workers job build spacecraft

Space walking seems like a really exciting....., but astronauts called space walkers the constructionof outer space. When an astronaut goes outside of his....., it is usually to repair or tosomething on the outside of the spaceship.

Writing : choose **One** of the following topics

Topic one : use the information below to write an advertisement for your travel company organising a trip to the International Space Station :

* meeting astronauts /* testing spacecrafts and
telescopes /* wearing spacesuits.....

Topic Two : Write a paragraph about : *Can man one day live on the Moon ? Say Why*

*no enough water/*no enough oxygen/* no interesting places to visit