

The Second Tem English Examination

The Father of Mechatronics

Professor Kamel Youcef Toumi is one of the most famous Algerian immigrant scientists. He was born in 1954, in ksar Boukhari (70kms from Media). At the age of 3, his father died as a martyr. So , he grew up under the care of his older brother . In his town, he followed his primary and middle school studies. He, also, learnt the Quran by heart.

After obtaining the BEM certificate, he left to lycee Fekhar in Medea where his thinking towards the achievement of science changed. As result, he passed the Baccalaureate in Mathematics with an excellent grade in 1974. After that, he went to Bab E'Zouar University where he spent only one year. In 1975, he received a scholarship from the Algerian State to go to the USA. There, he did his graduate studies at Cincinnati University. He had his Bachelor degree in the Mechanical Engineering in 1997. Since then, he held a Master and a phd . From Massachusetts Institute of Technology in 1981 and 1985. Five years later, he invented the fastest robot in the world capable of writing 1300 lines per second.

Dr. Youcef Toumi is the author of more than 150 publications, had nearly 50 patents that served humanity, what nominated him for the Nobel Prize in 2005.

Adapted from: algerianscholaraward.org researchers.blogspot.com.tr Aljazeera.net

Part One : a) Reading Comprehension: (7pts)

Read the text carefully and do the following activities:

Activity One : Complete Dr. Toumi ID Card. (3pts)

Dr. Toumi ID Card

Full Name :

.....

Date and Place of Birth:

.....

Occupation

.....

Degrees:.....

Invention:.....

Awards:.....

Activity two : Answer these questions : (2pts)

1. Is the text excerpted from book ?

.....

2. Did Dr. Toumi do his graduate studies in Algeria ?

.....

3. What did he create in 1990 ?

.....

4. When was nominated for the Nobel Prize ?

.....

Activity three: Lexis (2pts)

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

Created=..... Well-known=.....

2) Find in the text words that are opposite in meaning to :(1pt)

less ≠.....

younger ≠.....

Mystery of language: (7pts)

Activity one: I supply punctuation and capital letters where necessary :(1pt)

People in algeria remember our hero ben badis in the science day in 16th april each year.

Activity two: Combine the following sentences using appropriate relative pronoun(2pts)

- 1- a/ Dr Toumi's works focus on searching.
b/This searching is based on theory of design and its applications in dynamic system.
 -
 - 2- a/Dr Toumi created the fastest robot in the world in 1990.
b/Dr Toumi is called “the Father of Mechatronics”.

Activity three: I put the verbs between brackets in the correct form: (02 pts)

- 1- *While I (to watch/.....) TV, my father (to read/) newspaper.*
 - 2- *My friend and I (to plan/) to go for shopping.*

Activity four : I find in the text words that have the following sounds:(2pts)

/ʃ/	/v/
1	1
2	2

Part Two : Situation of integration (6pts)

Use the ID Card notes to write Dr. Melikechi's Biography:

Dr. Melikechi ID Card

Name : Noureddine

Surname:Melikechi

Occupation: An atomic and optical scientist

Date and place of birth: 1958 Thenia Boumerdes

Degrees:

*High studies diploma 1980

*A Master of Science in Physics/ a PhD in the Laboratory of Professor Leslie Allen- England

* to USA 1990 worked on laser and biomedical research program

*Now (work) a team of the NASA Mars Rover mission

The Second Term English Examination

Text

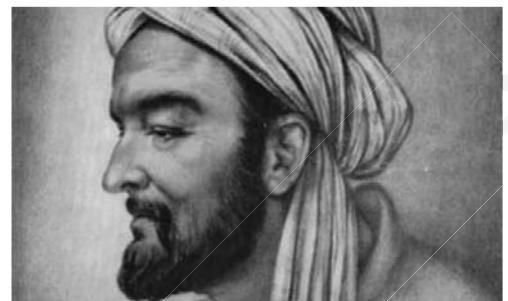
Abd Al-Rahman Ibn Muhammad Ibn Khaldun was a famous Maghrebin scholar who invented modern sociology .He was born on May 27th 1332 in Tunis. His parents died during an epidemic of the plague which hit Tunis in 1348-1349, leaving Ibn Khaldun orphan at the age of 17.

In 1354, he accompanied his teacher to Fez ,where he became a secretary of the Sultan of Morocco.

Ibn khaldun spent 4years -from 1375 to 1378 –writing his "Muqaddimah" and a part of "Kitab al –Ibar ".

He travelled to Cairo in 1383 where he became a teacher and a Cadi or a judge. His wife and four daughters died in a shipwreck on their way to join him in Cairo.

He went on the pilgrimage and returned to Cairo 18 months later, where he died on 17th March 1406.



Adapted from 3ms teacher 's guide

Part one

Reading comprehension (07pts)

Task One: I Give a title for the text (0.5pt)

Task Two: I Read the text, and I answer the following questions: (3pts)

1-Where and when was Ibn Khaldun born?.....

2- Was he an orphan?.....

3- What were his occupations?.....

Task Three: I Read the text, then I write " true "or" false " (1.5 pt)

1- Ibn Khaldun was the father of sociology.

2-He died in Egypt.

Task Four: I Match the words with their definitions (2pts)

Words	Definitions
1-Technology	a- Being known to many people.
2-Achivements	b- The study of the structure and behaviour of the physical and natural world through observation and experiment.
3-Famous	c- Gaining or reaching something by making efforts.
4-Sience	d- The study and use of science for practical tasks in industry business.....etc.

Mastery Of Language (7pts)

Task One: I supply punctuation and capital letters where necessary (2pts)

while al-Khwarizmi was living in baghdad he was staying at the "House of Wisdom".

Task Two: I join each pair of the sentences using the relative pronouns: "who" or " which". (3pts)

1. A) Alexander Fleming discovered penicillin over 80 years ago.
B) It was first used to cure conjunctivitis.

.....

2. A) Abddelhamid Ben Badis was born on December 4th, 1889.
B) He founded the Association of the Algerian Muslim Scholars in 1931.

Task Three : I fill in the chart with:(2pts) Of – Invention – Rough - Off

/f/	/v/
1-.....	1-.....
2.....	2.....

Part Two : *Integrated Situation* (6pts)

Muslim scientists gave a lot to human being and the world. Among those great scholars is Al- Khawarizmi.

In a short paragraph, talk about this famous Arab scientist and his achievements.

The cues below can help you

Name : Muhammed Ibn Mussa Al Khawarizmi

Date and place of birth : 780/ Persia

Occupation : mathematician/astronomer

Achievements : to develop the algorithm/ to work in the house of wisdom(a scientific and teaching centre) to write "Hissab El Jabr wa El Moqabala".

Date and place and death : 850/ Baghdad

Al-Khawarizmi.

Full name :

Teacher : Miss Allal

School : Hocine Rebah Middel School

Level: 3AM

Class 3Ms.....

Second Term Exam of English

Time: 1h30

The text :

Dr. Abderrahim Bourouis is an Algerian engineer and researcher. He was born in Tlemcen; He is 28 years old. His father is a mechanic and his mother is a housewife. He went to primary school, middle school and high school in Tlemcen. Dr Bourouis had his undergraduate studies and got Bachelor and Master's degrees from Abu Bakr Belkaid University in 2009 then he got his PhD from the same university in 2014. Dr. Bourouis is working in Algérie Telecom Company as a researcher. Dr. Bourouis invented a smart shirt to help people suffering from Alzheimer disease.

Adapted from 3rd year school book

PART ONE: (14 pts) A/ Reading comprehension (7pts)

Activity one: I read the text than I choose a b or c (01pts)

The text is about : a / Dr Belgacem Haba b /Dr Melikchi c /Dr Bourouis

B/ What is the type of the document : a/ press article b/ web article

c/ Excerpt from a book

Activity two : Read the following statements and say TRUE or FALSE: (3pts)

1-Dr Bourouis is an electrician.

2- He got his PhD from Houari Boumedien University.

3- He works in Algérie Telecom.

Activity two: Read the text then answer the following questions: (3pts)

1- Did Dr. Bourouis use to study in Tlemcen?

2- When did Dr. Bourouis get his PhD degree?.....

3- What did Dr. Bourouis Invent?.....

Mastery of language (7pts)

Activity one: I join the sentences with Who or which : (02pts)

1/ Isaac Newton discovered the law of gravity .He died at the age of 84 .

.....

2/ Isaac Newton published a book. This book is considered one the most famous books on physics.

.....

Activity two: Complete with (made in) and(made of): (3pts)

- This window is wood and glass; it is Algeria. - Mercedes car is Germany.

Activity three: Classify the words according to their pronunciation: (2pts)

Photo - of - enough - video

/f/	/v/

PART TWO: Written expression (6pts)

It's the 16th of April, your teacher of English asked you to write a short biography about The Algerian Professor Haba Belkacem. The Id Card below will help you.

Full name: Dr Belgacem Haba

Nationality: Algerian

Date of birth: 1957

Place of birth: Biskra

University: Bab Zouar University in Algiers.

Work in: Japan /America

Field: Technology

Inventions: many inventions in the field of miniaturization of cameras and telecommunication

The second term exam

Neil Alden Armstrong was born on August 5, 1930 in Ohio. He was an American astronaut and historian and is known as the first person to walk on the moon. On July 20, 1969, Neil Armstrong and Buzz Aldrin landed on the moon in a small spacecraft. The rocket was called Apollo 11. They both walked on the moon, and millions of people watched and heard this event on live television.

Neil earned a bachelor of science degree in Aeronautic engineering from the Purdue University and a master of science degree in Aerospace engineering from the University of Southern California. In 1970 he received an Honorary Doctorate of Engineering from the Purdue University. From 1971 to 1979 he became professor for Aerospace engineering at the university of Cincinnati.

In 2005, he received the Honorary Doctorate of letters from the University of Southern California.

Armstrong died on the morning of August 25, 2012. He was 82 years old.



Task 01: Reading comprehension (7pts)

Activity 01: I complete the following table with events related to Neil Armstrong (3pts)

Dates	Events
July 20, 1969
1970
From 1971 to 1979

Activity 02: I answer the following questions (3pts)

1) When and where was Neil Armstrong born?

.....

2) What is he known for?

.....

3) Did he receive the Honorary Doctorate of letters in 2005?

.....

Activity 03: I find in the text words that are opposites to the following (1pt)

Sent =/=.....

Unknown =/=.....

Mastery of language (7pts)

Activity 01: I combine the sentences using the following relative pronouns (who/which) (2pts)

- 1) *Neil Armstrong was an American astronaut . Neil was the first person to walk on the moon*
.....

2) *Neil Armstrong landed on the moon in a small rocket . the rocket was called Apollo 11.*

Activity 02: I put the verbs between brackets in the correct form. (3pts)

Neil Armstrong and Buzz Aldrin (to be) the two famous astronauts who walked on the moon.

Neil (walk).....on the moon while people (watch).....him on live television.

Activity 03: I classify the words according to their pronunciation (2pts)

Developed - successful - Philadelphia - vast

	
.....

Task 02 : Situation of integration (6pts)

My teacher of English asked me to write the biography of **Marie Curie**. I use the information below

Full name: Marie Curie.

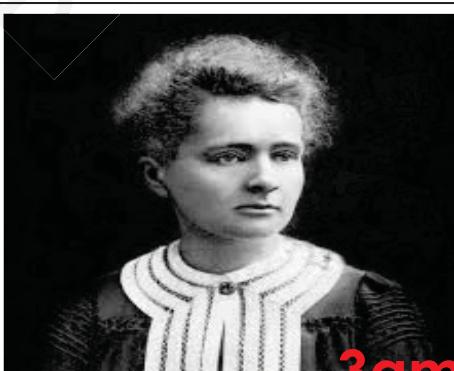
Date and place of birth: November 7th
1867, Warsaw. (Poland)

Nationality: Polish

Invention: Radium - Polonium

Studies: University of Paris.

Date and place of death: July 4th 1934,
France



The input:

Thomas Alva Edison was born in Milan, Ohio, on February 11, 1847. His family moved to Port Huron, Michigan, when he was seven years old. Surprisingly, he attended school for only two months. His mother, a former teacher, taught him a few things, but Edison was mostly self-educated.

His natural curiosity led him to start experimenting at a young age with electrical and mechanical items at home. When he was 12 years old, he got his first job. He became a newsboy on a train that ran between Port Huron and Detroit. He set up a laboratory in a baggage car of the train so that he could continue his experiments in his spare time. Edison then worked for five years as a telegraph operator, but he continued to spend much of his time on the job conducting experiments.

He got his first patent in 1868 for a vote recorder run by electricity. However, the vote recorder was not a success. In 1870, he sold another invention, a stock -ticker, for \$40,000. A stock-ticker is a machine that automatically prints stock prices on a tape. He was then able to build his first shop in Newark, New Jersey. Thomas Edison was totally deaf in one ear and hard of hearing in the other. He called himself a "two-shift man" because he worked 16 out of every 24 hours.

Thomas Edison died at the age of 84 on October 18, 1931, at his estate in West Orange, New Jersey. He left numerous inventions that improved the quality of life all over the world. The electric light was not his only invention. He also invented the phonograph, the motion picture camera, and over 1,200 other things.

I. Reading comprehension 7pts1. Read the text carefully and choose the right letter

A. There areparagraphs in the input.

- a.3 b.4 c.5 d.2

B. This input is a.....

- a. letter b. an interview c. biography d. conversation.

2. Read again and say in which paragraph it is mentioned that 2pts

- a. Edison left a lot of inventions.
b. He was self-educated.
c. He was interested in electricity and mechanics.
d. He worked as a telegraph operator.
e. He was totally deaf in just one ear.

3. Match the dates with the corresponding events 3 pts

Dates	Events
1870	Thomas' first job
1859	Thomas' death.
1931	Thomas' birthday
1868	Thomas' first patent
1847	Thomas' stock-ticker sale

II.Mastery of language 7pts

1.Add a word to the list 2pts

science, research, discovery,.....

chip, memory chip, USB stick,.....

2.Put the verbs in the right form 3pts

a.Issac Newton (sit).....under an apple tree when an apple (knock).....his head.

b. Astronauts (discover).....new things while they (visit).....the moon.

c. While the scientist (explain).....his discovery, students (take).....notes.

3.Put the following words in the right column according to their pronunciation 2pts

telegraph, improved ,shift, phonograph

/f/	/v/
.....

III.Situation of integration 6pts

Your friend wants to make a research about Thomas Edison he asked for your help, you wanted to help him/her answering his/her question report your dialogue including: date and place of birth, inventions and date and place of death.