

Nikola Tesla, unknown inventor for most people, was the genius who lit the world. He was born in Croatia in 1856, and died in 1943 in New York. Tesla studied physics and mathematics. He worked in Hungary, France and Germany. He was the electrical engineer who invented the AC induction motor which made the transmission of electricity possible for long distances.

Tesla moved to the USA in 1884 where he worked for Thomas Edison who quickly became a rival because he used the DC power transmission system. During this time, Tesla was making AC generators at Niagara Falls in Canada.

Tesla also did notable research on high-voltage electricity and wireless communication; at one point creating an earthquake which shook the ground for many kilometres around his New York laboratory. He also devised a system which anticipated wireless communications, fax machines, radars, radio-guided missiles and aircrafts.

*AC= Alternating Current DC= Direct Current

PART ONE (14 pts)

A/ Reading comprehension (7 pts)

Activity One (1pt):Choose the most appropriate title.

- a. Great inventions b. The AC/DC c. The life of Nikola Tesla d. Wireless communication

Activity Two (1.5 pts) : What do the underlined words refer to in the text:

who (§1): where (§2):.....which (§3):.....

Activity Three (2.5 pts) : Copy the table on your answer sheet then match each question with its answer:

Questions	Answers
1-When was Tesla born?	a- Electrical engineer.
2- What did he use to do for a living?	b- Yes.
3- Did Marconi invent the radio transmission?	c- 1856.
4- Did he die in 1943?	d- No, Tesla did.
5- Who invented the AC ?	e- Nikola Tesla.

Lexis (2 pts):Match each word with its appropriate definition/ meaning.

- Genius	- a person who has invented something.
- Inventor	- Which doesn't need wires
- Electricity	- Very intelligent person.
- Wireless	- A form of energy.

B/ Mastery of language (7pts)

Activity One (3 pts) : Give the correct form of the verb in brackets:

Al Khawarizmi (to write)a book on Algebra, which (to be)based on Hindu sources. The name Algebra is of Arabic origin. It (to come) from Al Jebr, which means " the union of broken parts".

Activity Two (2pts) : Fill in the gaps with the appropriate relative pronoun.

- 1- Rhazes published a booksummed up the medicine of the Greeks.
- 2- Fibonacci was educated in Bejaiahis father worked as a shopkeeper.
- 3- Ibn Sina was a scholar.....books were translated to many languages.
- 4- Alexander the Great was the leaderwas the most powerful in the ancient world.

Activity Three (2pts) : Read the text and add a word to each of the following lists .

ɔl	aʊ	əʊ	al
oil toy coin	house towel brown	Role Home Boat	Why Sight Tiger

PART TWO: Written Expression (06 Pts)

Harun Al Rashid is one of the greatest Caliphs in Islamic history.

Write a short biography of him for your school magazine. Use the following notes.

- Born/Iran/766/ to die/Baghdad/809
- 782/to marry/ Zubayda /cousin
- 786/Caliph/Abbasydes dynasty/Baghdad
- To encourage/scientists/writers
- To have/friends/Al Barmak/Fadl Djaafar/Charlemagne(king of the Franks)
- Used/to walk/Baghdad/to help/ needy people