



THE HASHEMITE KINGDOM OF JORDAN-MINISTRY OF EDUCATION  
GENERAL SECONDARY CERTIFICATE EXAMINATION 2020  
GENERAL ENGLISH

DATE: Monday 6<sup>th</sup> of July, 2020

الاستاذ: رائد جوارنه

TIME: 1 HOUR AND A HALF

Read the following text carefully, and then in your ANSWER BOOKLET answer all questions that follow. Your answer should be based on the text.

**Jabir ibn Hayyan (born 722 CE, died 815 CE)**

The Arab world has many famous chemists in its history, but the person who is known as the founder of chemistry is probably Jabir ibn Hayyan. He is most well known for the beginning of the production of sulphuric acid. He also built a set of scales which changed the way in which chemists weighed items in a laboratory: his scales could weigh items over 6,000 times smaller than a kilogram.

**Ali ibn Nafi' (Ziryab) (born 789 CE, died 857 CE)**

Ali ibn Nafi' is also known as 'Ziryab' (or 'Blackbird', because of his beautiful voice). He was a gifted pupil of a famous musician from Baghdad, and it was his talent for music that led him to Cordoba in the ninth century CE. He was the guest of the Umayyad ruler there. He is the person who established the first music school in the world in Cordoba, Al-Andalus, teaching musical harmony and composition. He revolutionised musical theory, and is also the person who introduced the oud to Europe.

**Fatima al-Fihri (born early 9th century, died 880 CE)**

Fatima al-Fihri was the daughter of a wealthy businessman. She used her father's inheritance to build a learning centre in Fez, Morocco. This learning centre became Morocco's top university, and it is where many students from all over the world come to study. Moreover, it was Fatima's sister, Mariam, who supervised the building of the Andalus Mosque, which was not far from the learning centre.

**Al-Kindi (born around 801 CE, died 873 CE)**

Al-Kindi was a physician, philosopher, mathematician, chemist, musician and astronomer – a true polymath. He made ground-breaking discoveries in many of these fields, but it is probably his work in arithmetic and geometry that has made him most famous.

**Question number one (30 points)**

1. There are many achievements to Jabir ibn Hayyan. Write down two of them. ( 6 points)
2. Al-Kindi made many ground-breaking discoveries in many fields. Write down two of these fields?  
( 6 points)
3. Quote the sentence which indicates to the reason that led Ali Ibn Nafi to Cordoba. (4 points)
- 4- Find a word from the text which means " money or things that you get from someone after they die (4 points)
5. What does the underlined word " who " in the text refers to (4 points)
6. Do you think that it was easier or more difficult in those days to reach such high levels of achievement in comparison with the present day? Write down your point of view. (6 points)

**Question number two**

**A ) Choose the suitable item from those given in the box to complete each of the following sentences and write it down in your ANSWER BOOKLETE. (20 POINTS)**

<b>fund</b>	<b>free</b>	<b>wast</b>	<b>track record</b>	<b>footprint</b>	<b>mistake</b>
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- 1- Furthermore, in order to reduce its carbon....., Masdar City will be a car-free zone
- 2 When you can prove that you have experience, you have a \_\_\_\_\_.
- 3- Hospitals need to dispose of a lot of biological ..... , and it should be carefully managed because it can be dangerous.
- 4- A place where no cars are allowed is a car-.....zone, and it is pedestrian friendly.
- 5 Be very careful when you answer the questions, and try not to make a .....

**B. Complete the following sentences with the suitable words derived from the words in the words in brackets and write the answers down in your ANSWER BOOKLETE. (20 points)**

- 1- The physical activity will increase your heart rate and, in turn, that will increase your blood.....  
(circulation circulate circulating )
- 2- I am afraid what he told you was an .....lie.  
(intention intentional intend )
- 3- Mr Ghanem did not do any .....deals on that first trip.'  
(business businesses buisnessman)
- 4- entrepreneurship is .....important among young people because of the competitive job marker.  
(particular particularly particulative particulating )

**Question number three ( 40 points)**

**A . Choose the suitable item from those given to complete each of the following sentences and write the answers down in your ANSWER BOOKLET. (20 POINTS)**

- 1- 1- Ziad is not very good at basketball. He wishes he .....taller!  
(is , were , was , didn't be)
- 2- I regret going to bed late last night. I wish I \_\_\_\_\_ earlier.  
(had gone go went has gone)
- 3- 'Physician' is an old-fashioned word .....means 'doctor.'  
(which who where when)
- 4- The year .....Petra was made a World Heritage Site was 1985 CE  
(which who where when)

**B . Complete each of the following items so that the new item has a similar meaning to the one before it and write it down in your ANSWER BOOKLET. (20 points)**

1- I like Geography most of all.

The subject .....

2- The Egyptians built the pyramids.

It .....

3- Our team didn't play very well yesterday.

If only they .....

4- I have forgotten my library book. I left it at home.

I wish .....

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