



0778644645 **طلبة الاستاذ سامر الديات**

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**أوائل ديرعلا للخدمات التعليمية**



THE HASHEMITE KINGDOM OF JORDAN DIRECTORATE OF EDUCATION  
GENERAL SECONDARY CERTIFICATE EXAMINATION-2018/2019

المستوى الثالث / الكتاب الجديد / التخصصات المهنية

Read the following text carefully, and then in your ANSWER BOOKLET answer all question that follow. **(20 points)**

**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.

**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.

**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.

1. There were many achievements that Jabir ibn Hayyan made. Write down two of them.

2. Al-Kindi made his fame by working in two main fields . Write them down.

3. why was Ali bin nafi' called the "Black bird" ?

4. Write down the sentence which indicates that Fatima's learning centre is very successful.

5. Fatima built a learning centre in Fez. How did she manage to do that?

6. What does the underlined word "mathematician" in the last paragraph, mean?

7. Find a word in the text which means "someone who has a lot of knowledge about many different subjects"

8. What do the underlined words ( pronouns) refer to?

Critical Thinking :

1. The writer states that Muslim scientists made many great achievements . Explain this statement , mentioning three fields that Muslim scientists influenced greatly in them.

## Question number two (12 points)

A)

Complete the sentences with the words in the box. One word is not needed.  
The first one is done for you.

philosopher ,arithmetic, polymath, chemist, geometry, mathematician , physician

1. My father teaches Maths. He's a **mathematician**.
2. You must not take in medicine without consulting a .....
3. We learn about shapes, lines and angles when we study .....
4. Mr Shahin is a true ....., working in all kinds of creative and scientific fields.
5. Ramzi is very good with numbers and calculations. He always scores high in.....
6. A .....is someone who thinks and writes about the meaning of life.

Look at the nouns in the box. Which adjectives collocate with them? Write them next to the adjectives.

growth ,effect, transport, footprint, waste, planning

1. urban 2. public 3. biological 4. carbon 5. negative 6. economic

1. .... 2. .... 3. ....  
4. .... 5. .... 6. ....

## Question Number Three (20 points)

A-Choose the correct answers . (10 points)

1. A castle is a place (who , where , when ) a king or queen lives.
2. An actress is a woman (which, where , who) plays in films or theatre plays.
3. This is the girl (which, where , whose) mother is from Canada.
4. This is the time of the year (who , where , when) many people suffer.
5. The flower (which, where , whose) grow in the garden are beautiful.

B- Rewrite the following paragraphs to give the similar meaning : (10 points)

1. IBN SINA wrote many books in medicine .  
- The person .....
2. The girl is a singer. She is very kind.  
- The girl .....
3. I saw my friend Omar . He lived in Amman .  
I .....
4. I need to buy a gift for my friend .  
What .....
5. Alkindi invented many chemical material .  
It was .....

## Question number four (4 points)

Find four grammatical mistakes about articles in the following paragraph :

The students go to school every day where ask about floppy disk.  
Before they arrived the school who have been playing in the garden .

## Question number five : GUIDED WRITING (4 points)

Read the information in the box below , and then in your ANSWER BOOKLET , write two sentences about how to reduce water usage using the appropriate linking words .

### How to use water responsibly

- Take shorter showers .
- Turn off water while brushing your teeth .
- Water your garden in the morning .
- Use bucket when cleaning your car .

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..... توقيع ولي الأمر

ملاحظة مهمة : أرجو توقيع ولي أمر الطالب على هذه الورقة