

بسم الله الرحمن الرحيم

FORM: (4)



المملكة الأردنية الهاشمية

**THE HASHEMITE KINGDOM OF JORDAN-MINISTRY OF EDUCATION
GENERAL SECONDARY CERTIFICATE EXAMINATION-2016**

GENERAL ENGLISH

الدورة الشتوية/ المستوى الثالث

(وثيقة محمية/محدود)

DATE: Saturday 14th of January, 2017

TIME: 1 HOUR AND A HALF

ملحوظات: 1- اجب عن أسئلة هذه الورقة جميعها. 2- للمتقدمين في الفروع الأكاديمية. 3- عدد الأسئلة: (5)، وعدد الصفحات (4).

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

Ibn Bassal was a writer, a scientist and an engineer who lived in Al-Andalus in the eleventh century CE. He worked in the court of Al-Ma'mun, who was the king of Toledo. His great passions were botany, which is the study of plants, and agriculture. Although he was a great scholar, he was also a practical man and all of his writing came from his own 'hands-on' experience of working the land.

One of the many things which Ibn Bassal achieved was A Book of Agriculture. The book consisted of sixteen chapters which explain how best to grow trees, fruit and vegetables, as well as herbs and sweet-smelling flowers; perhaps the most famous chapter of all was the one that described how to treat different types of soil. Ibn Bassal also worked out how to irrigate the land by finding underground water and digging wells. He designed water pumps and irrigation systems. All of these things were passed on through his writing.

The influence of Ibn Bassal's book was enormous. As farmers down the generations followed his instructions and advice, the land became wonderfully fertile and produced more than enough food for the fast-growing population. The irrigation systems that he and his followers put in place are still in evidence in Spain. Although his name is not widely known, Ibn Bassal's legacy to the world has been great.

Question Number One: (20 points)

1. The article suggests many topics that Ibn Bassal's book discusses. Write down two of these topics. **(4 points)**
2. What does the underlined word "irrigation" mean? **(2 points)**
3. Quote the sentence which shows that Ibn Bassal was a knowledgeable person. **(3 points)**
4. The article states some inventions achieved by Ibn Bassal. Write down two of them. **(2 points)**
5. What does the underlined word "his" refer to? **(2 points)**
6. Ibn Bassal presented some new ways related to irrigation to humanity. Mention two of them. **(2 points)**

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7. "Some people say that Ibn Bassal is a really polymath." In two sentences, write down your point of view and give two examples proving this from the text. (3 points)

B. Literature spot: (2 points)

Read the following lines, then answer the questions that follow:

I used to think their slender tops
Were close against the sky:
It was a childish ignorance,
But now 'tis little joy
To know I'm farther off from heav'n
Than when I was a boy.

- **Where were the lines above taken from?**
- **What was the poet ignorant about?**

Question Number Two: (15 points)

A. Choose the suitable item from those given in the box to complete each of the following sentences. There are more words than you need. Write the answers down in your ANSWER BOOKLET. (8 points)

public transport , biological waste , carbon footprint ,
negative effect , economic growth

1. When people talk about _____, they can mean either an improvement in the average standard of living, or an increase in the value of a country's products.
2. Pollution has some serious _____ on the environment, such as the death of wildlife and plant life.
3. We can all work hard to reduce our _____ by living a more environmentally-friendly lifestyle.
4. If we take _____ more often, there will be fewer cars on the roads, which will result in cleaner air in our cities.

B. Study the following sentence and answer the question that follows. Write the answer down in your ANSWER BOOKLET. (3 points)

I was shocked when I heard the news. It came completely out of the blue.

What does the underlined colour idiom mean?

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C. Complete the following sentences with the suitable words derived from the words in brackets and write the answers down in your ANSWER BOOKLET. (4 points)

1. Ziryab is the person who _____ (**revolution**) musical theory, and is also the person who introduced the oud to Europe.
2. _____ (**harmony**) music is composed by professional musicians.

Question Number Three: (12 points)

A. Correct the verbs between brackets then write your answers down in your ANSWER BOOKLET. (6 points)

1. Ali will study hard if you _____ to him seriously. (**talk**)
2. A new motorway _____ in Amman by 2019. (**have, open**)
3. Sami had _____ for four hours before he arrived his destination. (**drive**)

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. (6 points)

1. **Queen Rania** opened the Children’s Museum of Jordan in 2007 CE.
It was _____
2. Mary started working at 8. She is still working. She will finish working at 12.
Mary has _____
3. “My favourite subject this year is Chemistry.”
Hussein told me _____

Question Number Four: (8 points)

A. The underlined words in the following sentence are not used correctly. Replace these words with the correct ones, and write the answers down in your ANSWER BOOKLET. (2 points)

He is the person that established a first music school in the world in Cordoba, Al-Andalus, teaching musical harmony and composition.

B. The following sentences are in British English, rewrite them in American English, and write them down in your ANSWER BOOKLET. (4 points)

1. Some of you have got tired from all the walking today.

2. Have you seen the textile workshop yet?

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C. Study the following sentence and answer the question that follows. (2 points)

Technology has greatly improved recently. As a consequence, family members who are away from home can communicate well with their loved ones.

What is the function of using as a consequence in the above sentence?

Question Number Five: (15 points)

A. EDITING: (4 points)

Imagine you are an editor in the Jordan Times. You are asked to edit the following lines that have four mistakes (one grammar mistake, one punctuation mistake and two spelling mistakes). Find out these four mistakes and correct them. Write the correct answers down in your ANSWER BOOKLET.

The concept of a megaproject is always based on the benefits it brings to a community. However; many megaprojects have criticised because of their negative effects on a community or the environment. This essay will look at these issues with regard to Masdar City, a megaproject in Abu Dhabi.

B. GUIDED WRITING: (4 points)

Read the information below, and then in your ANSWER BOOKLET, write a brief biography using the given notes below. Use the appropriate linking words.

Name: Jabir ibn Hayyan

Date (born and died): 722 - 815

Professions: a chemist

Achievements: production of sulphuric acid

C. FREE WRITING: (7 points)

In your ANSWER BOOKLET, write a composition of about 120 words on the following topic:

1. Write an essay about the importance of Islamic scientists to the Arabic culture and the whole world. Remember to give some of their names, dates they lived in and some of their important achievements.

-THE END-

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