

**Exam's Topic:** revision unit 4

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**• Read the following texts carefully , and then choose the correct answer**

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.

**1- The underlined pronoun (its) refers to.....**

- A) Jabir ibn Hayyan                      B) The Arab world                      C) the person                      D) founder

**2- .....means someone who starts something new.**

- A) founder                      B) person                      C) famous                      D) history

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 revolutionized musical theory, and is also the person who introduced the oud to Europe.

**3- Ali ibn Nafi was talented in.....**

- A-birds                      B-schools                      C-music                      D-theory

**4- .....means a special ability.**

- A) harmony                      B) talent                      C) theory                      D) guest

**5- Because of his beautiful voice , Ali ibn Nafi' was called.....**

- A) harmony                      B) composition                      C) blackbird                      D) guest

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.

**6-The underlined pronoun (which) refers to.....**

- A-Morocco                      B-the Andalus Mosque                      C-businessman                      D-Mariam

**7-What helped Fatima al-Fihri to build the learning centre?**

- A) money left from her father                      B) her sister Mariam                      C) many students                      D) people in Fez

Al-Kindi was a physician, philosopher, mathematician, chemist, musician and astronomer . 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.

**8-The above text shows that Al-Kindi was.....**

- A-a polymath                      B-a businessman                      C-singer                      D-traveler

**9-.....made Al-Kindi most well-known.**

A-philosophy and mathematics

B-arithmetic and geometry

C-chemistry and music

D-astronomy and music

The city will run entirely on renewable energy sources. It is built on an advanced energy grid which monitors exactly how much electricity is being used by every outlet in the complex.

**10-The underlined pronoun (It) refers to.....**

A-energy

B-electricity

C-grid

D-The city

Energy will be provided by solar power and wind farms, and there are also plans to build the world's largest hydrogen plant. A desalination plant will be used to provide the city's water, with 80% of water used being recycled. Biological waste will be used as an energy source too, and industrial waste will be recycled.

**11-Wind farms and solar power are two sources of .....**

A-industrial waste

B-a desalination plant

C-biological waste

D-renewable energy

In conclusion, the benefits of Masdar City for the community and the environment greatly outweigh any disadvantages. If the aims of the developers are realised, Masdar City will be a blueprint for future urban planning that will inspire similar megaprojects in other countries.

**12-Which word in the text above means (be more important)?**

A-blueprint

B-outweigh

C-inspire

D-urban

Ibn Bassal was a writer, a scientist and an engineer. He 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.

**13-Which sentence indicates that Ibn Bassal was a polymath?**

A-Ibn Bassal was a writer, a scientist and an engineer.

B-He lived in Al-Andalus in the eleventh century CE.

C-He worked in the court of Al-Ma'mun, who was the King of Toledo.

D-His great passions were botany, which is the study of plants, and agriculture.

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.

**14-Which word means (supply land with water)?**

A-grow

B-designed

C-digging

D-irrigate



*Choose the correct answer*

**15- We can all work hard to reduce our carbon..... by living a more environmentally-friendly lifestyle.**

- A-growth                      B-energy                      C-footprint                      D-planning

**16- We learn about shapes, lines and angles when we study..... .**

- A-arithmetic                      B-geometry                      C-algebra                      D-chemistry

**17- You must not take in medicine without consulting a..... .**

- A-mathematician                      B-astronomer                      C-philosopher                      D-physician

**18- Pollution has some serious negative..... on the environment, such as the death of wildlife and plant life.**

- A-planning                      B-growth                      C-inheritance                      D-effect

**19- If a city recycles everything and doesn't throw anything away, it is zero-..**

- A-waste                      B-energy                      C-footprint                      D-growth

**20- A..... is someone who thinks and writes about the meaning of life.**

- A-mathematician                      B-philosopher                      C-physician                      D-musician

**21- 'Green' projects are environmentally.....**

- A-prosthetic                      B-pedestrian                      C-friendly                      D-cancerous

**22-The Sahara desert, ..... lies in Africa, is very hot.**

- A-whose                      B-where                      C-which                      D-who

**23- Geometry and arithmetic are subjects ..... are studied by mathematicians.**

- A-whose                      B-where                      C-which                      D-who

**24- 'Physician' is an old fashioned word ..... means 'doctor'**

- A-whose                      B- when                      C- which                      D- who

**25- The stars and planets are things..... astronomers study.**

- A-whose                      B-where                      C-which                      D-who

**26-It is the month of Ramadan ..... Muslims fast.**

- A-when                      B-where                      C-which                      D-who

**27-He's the man ..... son is studying Engineering in Turkey**

- A-whose                      B-when                      C-which                      D-who

**28-Qasr Bashir is an extremely well-preserved Roman castle ..... is situated in the Jordanian desert.**

- A-whose                      B-when                      C-which                      D-who

**29-The walls and huge corner towers of the castle, ..... was built at the beginning of the fourth century CE, is still standing.**

- A-when                      B-where                      C-which                      D-who

**30-Apart from the rooms in the castle, there are also about twenty-three stables ..... horses may have been kept.**

- A-when                                      B-where                                      C-which                                      D-who

**31-People ..... love exploring historical Roman ruins will found a visit to Qasr Bashir very rewarding.**

- A-when                                      B-where                                      C-which                                      D-who

**32-The Giralda tower, ..... is one of the most important buildings in Seville, Spain, stands at just over 104 metres tall.**

- A-when                                      B-where                                      C-which                                      D-who

**33-The person ..... is believed to be responsible for the design of the tower, is the mathematician and astronomer Jabir ibn Aflah.**

- A-when                                      B-where                                      C-which                                      D-who

**34-She studies at Jordan University.....is in Amman.**

- A-when                                      B-where                                      C-which                                      D-who

**35-The architect of the tower was Ahmad Ben Baso, ..... began work in 1184 CE.**

- A-when                                      B-where                                      C-which                                      D-who

**36-Plastic is the material.....causes pollution.**

- A-whose                                      B-who                                      C-where                                      D-which

**37-I always go to the supermarket.....sells organic vegetables .**

- A-who                                      B- which                                      C- whose                                      D- whom

**38-I saw the lady .....car was stolen yesterday.**

- A-who                                      B- which                                      C- whose                                      D- whom

**39-The year .....the tower was completed was in 1198 CE.**

- A-when                                      B-where                                      C-which                                      D-who

**40-The design of the tower is believed to be based on the Koutoubia Mosque, ..... is in Marrakesh, Morocco, and the Hassan Tower in Rabat.**

- A-when                                      B-where                                      C-which                                      D-who

**41-.....influence of Ibn Bassal's book is enormous.....**

- A-The / :                                      B-the / .                                      C-The / ,                                      D-The / .

**42-The year .....**

- A- when the Great Mosque in Cordoba in 784 CE was built.
- B- when was built the Great Mosque in Cordoba was 784 CE.
- C- when in Cordoba the Great Mosque in 784 CE was built.
- D- when the Great Mosque in Cordoba was built was 784 CE.

**43-The thing.....**

- A- which an exciting experience makes travelling is meeting new people.
- B- which makes travelling is meeting new people an exciting experience.
- C- which makes travelling an exciting experience is meeting new people.
- D- which travelling an exciting experience makes is meeting new people.

**44-The person.....**

- A-who won the prize for Art last year was Ayman.
- B-who for Art last year won the prize was Ayman.
- C-who won was Ayman the prize for Art last year.
- D-who last year won was Ayman the prize for Art.

**45-It was.....**

- A- in 1985CE a World Heritage Site when Petra was made.
- B- Petra in 1985CE when was made a World Heritage Site.
- C- when Petra was made in 1985CE a World Heritage Site.
- D-in 1985CE when Petra was made a World Heritage Site.

**46-A chemist is .....**

- A-a person who works in a laboratory.
- B- a person works who in a laboratory.
- C- works a person who in a laboratory.
- D- who works a person in a laboratory.

**47- .....farmers down followed Ibn Bassal's instructions.....the land became fertile.....**

- A-as / , / .
- B-as / . / .
- C-As / , / .
- D-As / . / ,

**48-Which word is spelt correctly ?**

- A-algebra
- B-aljebra
- C-elgebra
- D-eljebra

**49-Which word is spelt correctly ?**

- A-enheritance
- B-inheritance
- C-inherytance
- D-inheritanse

**50-Which word is spelt correctly ?**

- A-disalination
- B-desalinasion
- C-desalination
- D-disalination

**51-.....means the branch of mathematics concerned with numerical calculations such as addition.**

- A-geometry
- B-algebra
- C-desalination
- D-arithmetic

**52-A .....is a someone who is walking along a street.**

- A-pedestrian
- B-physician
- C-chemist
- D-philosopher

**53-A .....is someone who has a lot of knowledge in about many different subjects.**

- A-mathemetician
- B-physician
- C-polymath
- D-founder

54- If I won the lottery, I \_\_\_\_\_ a big house.

- A) will buy                                      B) buys                                      C) would buy                                      D) buy

55- If I study today, I \_\_\_\_\_ to the party tonight.

- A) am going                                      B) goes                                      C) would go                                      D) will go

56- You get water if you \_\_\_\_\_ hydrogen and oxygen.

- A) mix                                      B) will mix                                      C) would mix                                      D) mixed

57- If I \_\_\_\_\_ today, I'll go to the party tonight.

- A) studied                                      B) study                                      C) will study                                      D) would study

58- If water \_\_\_\_\_ 100 degrees, it boils.

- A) will reach                                      B) reaches                                      C) would reach                                      D) reach

59- If I \_\_\_\_\_ you, I wouldn't go out with that man.

- A) am                                      B) was                                      C) were                                      D) had

60- If she studies harder, she \_\_\_\_\_ the exam.

- A) passes                                      B) will pass                                      C) passed                                      D) would pass

61- If I \_\_\_\_\_ the Queen of England, I would say hello.

- A) meeted                                      B) meet                                      C) met                                      D) maat

62- If I \_\_\_\_\_ his number, I would call him.

- A) have                                      B) will have                                      C) will has                                      D) had

63- If you sit in the sun today, you \_\_\_\_\_ burned.

- A) get                                      B) would get                                      C) will get                                      D) gets

64- You should complete the tasks required of you before the deadline. (**would**)

If \_\_\_\_\_.

65- You shouldn't take the exam paper upon completion. (**couldn't**)

If \_\_\_\_\_.

66- You should become educated like your mother to be scientifically successful. (**would**)

If \_\_\_\_\_.

67- You should not eat onions and go to the mosque. (**couldn't**)

If \_\_\_\_\_.

68- You should water the roses three times a week. (**would**)

If \_\_\_\_\_.

69- You should not touch the car because it is freshly painted. (**wouldn't**)

If \_\_\_\_\_.

70- you shouldn't marry until the age of 28. (**couldn't**)

If \_\_\_\_\_.

**Read the following texts carefully , and then answer the questions that follow:**

### **TEXT ONE**

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.

- 1- Name two things that Ibn Bassal's designed.
- 2- Find a verb in the text that means 'supply land with water'.
- 3- Which sentence in the text illustrates that the land was fertile.
- 4- Quote the sentence that suggests that Ibn Bassal was a polymath.
- 5- Give three examples of Ibn Bassal's areas of knowledge.
- 6- Ibn Bassal has two great passions / interests . Write them down.
- 7- In his book , Ibn Bassal described how to plant many things. Write down four of them.
- 8- Ibn Bassal explained how to find water in two ways . What are they?
- 9- Who was the ruler of Toledo ?
- 10- How do we know about Ibn Bassal's legacy?
- 11- The land in Spain at Ibn Bassal's time became productive for two reasons . What are they?
- 12- What was the result of following Ibn Bassal's instructions and advice.
- 13- What is the name / title of Ibn Bassal's book?
- 14- How many chapters does Ibn Bassal's have?
- 15- What is the most important chapter of Ibn Bassal's book?
- 16- Why do you think the area around Toledo had a 'fast-growing population'?

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## TEXT TWO

Megaprojects are extremely large investment projects, which are designed to encourage economic growth and bring new benefits to cities. Although megaprojects vary in terms of size and cost, they are all, by definition, expensive, public projects that attract a high level of interest and media coverage. Projects range from motorways, airports, stations, tunnels, bridges, etc. to entire city complexes. The concept of a megaproject is always based on the benefits it brings to a community. However, many megaprojects have been 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. Masdar City, **which** began its development in 2006 CE, will be the world's first carbon neutral, zero waste artificially-created city. Covering an area of six square kilometres, when it is completed in 2025 CE, it is expected to house more than 40,000 residents, 50,000 commuters, and 1,500 businesses involved in mainly environmentally-friendly products. The city will run entirely on renewable energy sources. **It** is built on an advanced energy grid **which** monitors exactly how much electricity is being used by every outlet in the complex. Furthermore, in order to reduce its carbon footprint, Masdar City will be a car-free zone, designed to be pedestrian and cycle-friendly. Electric, driverless cars will operate as public transport vehicles, and the city will be connected to other locations by a network of roads and railways.

- 1- Why are megaprojects designed?
- 2- According to the text ,megaprojects vary in two things . What are they?
- 3- According to the text, megaprojects attract two things . What are they?
- 4- There are some example of megaprojects mentioned in the text. Write down four of them.
- 5- Why are megaprojects criticized ?
- 6- Masdar city will be the first in three things . Write them down.
- 7- How long will it take to complete Masdar city?
- 8- What is the size of Masdar city?
- 9- What is special about the advanced energy grid?
- 10- What has been done to reduce carbon footprint?
- 11- What will operate as public transport?
- 12- How will the city be connected to other sites?
- 13- What does the underlined pronoun (**which**) refer to?
- 14- What does the underlined pronoun (**which**) refer to?
- 15- What does the underlined pronoun (**it**) refer to?

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### TEXT THREE

Energy will be provided by solar power and wind farms, and there are also plans to build the world's largest hydrogen plant. A desalination plant will be used to provide the city's water, with 80% of water used being recycled. Biological waste will be used as an energy source too, and industrial waste will be recycled. The current residents of Masdar City are all students at the Masdar Institute of Science and Technology, a university **whose** students are fully committed to finding solutions to the world's energy problems. While the project has the support of many global, environmental and conservation organizations, there is some criticism of it. It is felt that, instead of building an artificial sustainable city, sustainability should be made a priority of existing cities. In conclusion, the benefits of Masdar City for the community and the environment greatly outweigh any disadvantages. If the aims of the developers are realised, Masdar City will be a blueprint for future urban planning that will inspire similar megaprojects in **other** countries.

- 1- Two examples of renewable energy sources are mentioned in the text. What are they?
- 2- What will be used to supply the city's water?
- 3- Quote the sentence which indicates the percentage of water being recycled in Masdar city.
- 4- Quote the sentence which indicates the current inhabitants of Masdar city.
- 5- What are students at Masdar city trying to find?
- 6- Two kinds of waste are mentioned in the text , What are they?
- 7- What is special about the hydrogen plant?
- 8- Find a word in the text which means (**be more important**).
- 9- What is the criticism of Masdar city that is mentioned in the text?
- 10- What does the underlined pronoun (**whose**) refer to?
- 11- What does the underlined pronoun (**other**) refer to?

**AWAZEL**  
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## Answers

- 1-B) The Arab world      2-A) founder      3-C-music      4-B) talent      5-C) blackbird  
6-B-the Andalus Mosque      7- A) money left from her father      8-A-a polymath      9-B-arithmetic and geometry  
10-D-The city      11-D-renewable energy      12-B-outweigh      13-A-Ibn Bassal was a writer, a scientist and an engineer.  
14-D-irrigate      15- C-footprint      16- B-geometry      17- D-physician  
18- D-effect      19- A-waste      20- B-philosopher      21- C-friendly      22- C-which  
23- C-which      24- C- which      25- C-which      26- A-when      27- A-whose  
28- C-which      29-C-which      30-B-where      31- D-who      32- C-which      33- D-who      34- C-which  
35- D-who      36- D-which      37-B- which      38-C- whose      39- A-when  
40-C-which      41-D-The / .

42-D- when the Great Mosque in Cordoba was built was 784 CE.

43-C- which makes travelling an exciting experience is meeting new people.

44-A-who won the prize for Art last year was Ayman.

45-D-in 1985CE when Petra was made a World Heritage Site.

46- A-a person who works in a laboratory.

47- C-As / , / .

48- A-algebra

49-B-inheritance

50-C-desalination

51-D-arithmetic

52- A-pedestrian

53-C-polymath

54-C/

55-D/

56-A/

57-B/

58-B/

59-C/

60-B/

61-C/

62-D/

63-C

64- If I were you, I would complete the tasks required of you before the deadline.

65- If I were you, I couldn't take the exam paper upon completion.

66- If I were you, I would become educated like your mother to be scientifically successful.

67- If I were you, I couldn't eat onions and go to the mosque.

68- If I were you, I would water the roses three times a week.

69- If I were you, I wouldn't touch the car because it is freshly painted.

70- If I were you, I couldn't marry until the age of 28.

### TEXT ONE

- 1- water pumps and irrigation systems
- 2- irrigate
- 3- 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.
- 4- Ibn Bassal was a writer, a scientist and an engineer who lived in Al-Andalus in the eleventh century CE.
- 5- a writer, a scientist and an engineer
- 6- botany, which is the study of plants, and agriculture
- 7- trees, fruit and vegetables, as well as herbs and sweet-smelling flowers
- 8- finding underground water and digging wells
- 9- Al-Ma'mun
- 10- through his writing
- 11- As farmers down the generations followed his instructions and advice
- 12- the land became wonderfully fertile and produced more than enough food for the fastgrowing population
- 13- A Book of Agriculture
- 14- sixteen chapters
- 15- the one that described how to treat different types of soil

16- I think that the area around Toledo had a 'fast-growing population' because the land was productive .Therefore , may people came to live there.

### TEXT TWO

- 1- to encourage economic growth and bring new benefits to cities.
- 2- in terms of size and cost,
- 3- a high level of interest and media coverage.
- 4- motorways, airports, stations, tunnels, bridges, etc. to entire city complexes.
- 5- because of their negative effects on a community or the environment.
- 6- carbon-neutral, zero waste artificially-created city.
- 7- 19years
- 8- six square kilometres
- 9- which monitors exactly how much electricity is being used by every outlet in the complex.
- 10- Masdar City will be a car-free zone, designed to be pedestrian and cycle-friendly
- 11- Electric, driverless cars will operate as public transport vehicles
- 12- by a network of roads and railways.
- 13- Masdar City
- 14- energy grid
- 15- The city

### TEXT THREE

- 1- solar power and wind farms
- 2- A desalination plant
- 3- Energy will be provided by, and there are also plans to build the world's largest hydrogen plant. will be used to provide the city's water, with 80% of water used being recycled.
- 4- The current residents of Masdar City are all students at the Masdar Institute of Science and Technology, a university whose students are fully committed to finding solutions to the world's energy problems.
- 5- finding solutions to the world's energy problems.
- 6- Biological waste will be used as an energy source too, and industrial waste will be recycled.
- 7- the world's largest hydrogen plant.
- 8- outweigh
- 9- It is felt that, instead of building an artificial sustainable city, sustainability should be made a priority of existing cities.
- 10- a university
- 11- countries

***Good Luck***

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