



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

Studio schools are pioneering schools which receive funding as well as support from private businesses, and which seek to encourage young people to undertake a less conventional form of secondary education. **These** schools often specialize in one specific area, whilst understanding that the same broad range of skills and qualifications should be made available to all young people. One such school has recently opened to educate fourteen- to eighteen-year olds who have a special interest in working in the space industry.

Students follow a tailor-made curriculum at the school, including subjects such as Astronomy and Astrophysics. Lessons are a mixture of small-class tutorials, with projects supervised by leading companies in both the space and technology industries. Prominent scientists and engineers are brought in as guest lecturers, with students aiming to achieve top grades in their Maths and Science exams. When they leave school, they will be well-placed to take any number of different career paths.

Question Number One : Reading Comprehension (60 points)

- Who supports and funds studio schools ?
 a-leading companies
 b- **private businesses**
 b- prominent engineers
 c- prominent scientists
- The text states two special subjects offered by space schools. What are they?
 a-Maths and Science.
 b) Science and Technology.
 c-**Astronomy and Astrophysics.**
 d) Science and Astronomy.
- Find a word in the text which means " **introducing new and better methods or ideas for the first time.** ".
 a)tailor-made b) undertake c) **pioneering** d) conventional
- How are prominent scientists and engineers involved in space schools?
 a)they supervise projects given to students b) **they are brought in as guest lectures.**
 c) they design a tailor- made curriculum d) they give small-class tutorials.
- What does the underlined pronoun " **These** " refer to ?
 a-young people b) private businesses c) **studio schools** c) secondary education
- Guest speakers are invited to pace school to help students achieve top marks in two exams. What are these two exams?
 a- maths and space
 c- science and space
 b- **maths and science**
 d- astronomy and astrophysics

B

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' 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.

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.

7. Why is Ali ibn Nafi' known as 'Ziryab'?
 - a) Because of his achievements in the field of music.
 - b) Because he was a gifted pupil of a famous musician.
 - c) Because he established the first music school in the world.
 - d) **Because of his beautiful voice.**
8. The text states two musical subjects taught at the school which was established by Ziryab. What are these two musical subjects ?
 - a) **musical harmony and composition.**
 - b) musical theory and composition.
 - c) chemistry and physics.
 - d) Musical harmony and theory .
9. What does the underlined word "**there**" refer to ?
 - a) Baghdad
 - b) **Cordoba**
 - c) Musician
 - d) Blackbird
10. Al-Kindi's work in two subjects has made him most well-known. Write down these two subjects.
 - a) Philosophy and Physics
 - b) **Arithmetic and Geometry.**
 - c) Music and Chemistry
 - d) Geometry and Astronomy.
11. Find a word in the text which means, "**someone who has a lot of knowledge about many different subjects.**"
 - a) ground- breaking
 - b) arithmetic
 - c) philosopher
 - d) **polymath**
12. The person who known as the founder of chemistry is -----
 - a- Ali ibn Nafi'
 - b- Al-Kindi
 - c- Fatima Al-Fihri
 - d- **Jabir ibn Hayyan**

Question Number Two : Vocabulary & Derivation (50 points)

A. Choose the correct answer from those A,B,C or D to complete the following sentences.

13. I need to make a few ----- before I decided how much to spend.
 - a) programs
 - b- models
 - c- **calculations**
 - d- inventions
14. My friend has ----- in his fingers , so he sometimes finds it difficult to write.
 - a- **arthritis**
 - b- malaria
 - c- migraine
 - d- ailment
15. Zaid always wears his watch when he goes swimming because it is -----

a) tiny b- prosthetic c- **waterproof** d- artificial

16. By working hard, you will ----- the respect of your boss.

a- cause b- shake c- join d- **earn**

17. I am planning to ----- a course on management .

a- spend b- **get** c- make d- attend

B. Choose the correct answer from those A,B,C or D to complete the following sentences.

18. The new treatment will improve patients' life ----- and quality of life .

a- **expectancy** b- expect c- expectantly d- expectation

19. To achieve a top mark in your exam, you must ----- .

a- concentrated b- concentration c- concentrating d- **concentrate**

20. Before you apply for the job, check that you have the correct -----.

a- **qualification** b- qualify c- qualified d- qualifying

21. The hospital must ----- itself to improving healthcare services.

a- **commit** b- committed c- commitment d- committing

22. A number of patients have been ----- treated with the new drug.

a- succeed b- **successfully** c- success d- successful

Question Number Three Grammar (75 points)

A. Choose the correct form of the verb from those A,B,C or D to complete each of the following sentences.

23. My parents always ----- me how to bounce back after a setback.

a) **teach** b- was being taught c- would teach d- are taught

24. At least, two of my books ----- into French every year.

a- had translated b- has been translated c- will be translated d- **are translated**

25. My father ----- reading a wonderful novel for three days.

a- is b- have been c- **has been** d- will be

26. Majed ----- about his friend when he received a text from him.

a- has been thinking b- **had been thinking** c- is thinking d- thinks

27. What will you ----- in ten years' time?

a- **have done** b- do c- be doing d- be done

B. Choose the sentence which is similar in meaning from those A,B, C, or D .

28. "I am typing the final report."

a- Salwa said that she is typing the final report.
b- **Salwa said that she was typing the final report.**
c- Salwa said that she had been typing the final report.
d- Salwa said that she has been typing the final report.

29. It is normal for my friend to drive a fast car.

a- My friend isn't used to driving a fast car. b- My friend didn't use to drive a fast car.
c- **My friend is used to driving a fast car.** d- My friend used to drive a fast car.

30. I think you should study Biology.

a- **If I were you , I would study Biology** b- If I was you , I could study Biology
c- If I were you , I should study Biology d- If I were you , I will study Biology

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31. Walking isn't as strenuous as running.

- a- **Walking is less strenuous than running** b- Walking is more strenuous than running
b- Walking is the most strenuous. d- Walking is as strenuous as running

32. Jabir ibn Hayyan did his research in a laboratory in Iraq.

- a- The country where Jabir ibn Hayyan did his research in a laboratory was in Iraq.
b- The country which Jabir ibn Hayyan did his research in a laboratory was in Iraq.
c- The country where Jabir ibn Hayyan did his research in a laboratory was Iraq.
d- The country that Jabir ibn Hayyan did his research in a laboratory was in Iraq.

C-Choose the correct item from those A,B,C or D to complete each of the following sentences.

33. Do you like the decoration of our house? We had it -----by a skilful worker .

- a- design b- **designed** c- designing d- had designed

34. My cousin has lived in Lebanon for a year .He says he ----- there now

- a- **is used to living** b- used to live c- am used to living d- use to live

35. Fish is said ----- good for the brain

- a- being b- **to be** c- been d- be

36. The subject ----- I hate most is computer science.

- a- who b- whom c- **which** d- where

37. It was too hot to go to the beach yesterday. If only it -----cooler.

- a- has been b- **had been** c- was d- hadn't been

Question Number four: Writing Skills (15 points)

A. Choose the correct item from those A,B,C or D to complete each of the following sentences.

38. Studying ----- lets me focus on my love of language in an analytical way

- a- linguistics b- linguistics c- linguistics d- **linguistics**

39. Many class rooms now use a whiteboard as a computer screen .----- , teachers can show websites in front of the class.

- a- Whereas b- **As a consequence** c- However d- Despite
c- This results in d- It is recommended that

40. By the end of this decade ----- doctors will have discovered how to cure colds and flu.

- a- . b- , c- ! d- ?

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