

Integrated Skills in English III

Time allowed: 2 hours

This exam paper has four tasks. Complete all tasks.

Task 1 – Long reading

Read the following text about a smart city in South Korea and answer the 15 questions on page 3.

Paragraph 1

In a fast-paced modern world, time has become a precious resource and any advances in society that can make life more convenient are not just welcome additions to everyday life, they are essential components of it. The best example of this is smart technology and gadgetry. Want to find out the latest match result or have a bit of time to catch up on your favourite TV programme while you're out and about? Look no further than your smartphone. Planning to compete in a race and keen to monitor your heart rate and track your distance all at the touch of a button? Get down to your nearest retailer (or go online) and opt for one of a range of smart watches. Want to pop into the busy town centre without the hassle of having to find a parking space and interested in saving the planet? Invest in a smart e-bike.

Paragraph 2

If technology's your thing and you've always dreamed of living in a high-tech, cutting-edge place, then you could do much worse than move to the smart city in South Korea called Songdo. Known as the 'city-in-a-box', Songdo is a ready-made city model that can be bought and reproduced anywhere else in the world for the eye-watering sum of 40 billion dollars. Some countries, like China, have already signed up to build their own versions of Songdo.

Paragraph 3

Songdo is the technology fan's dream for more than one reason. For a start, high-speed Wi-Fi is accessible in practically every corner of the city. What is also impressive about it is that many of the innovations are designed with the environment in mind, such as the remarkable system to dispose of waste. Rather than having refuse pile up before it is collected from dustbins that are left outside houses once a week, all household rubbish goes from each person's kitchen directly to eco-friendly waste processing centres through an immense subterranean tunnel network.

Paragraph 4

It is no longer necessary to leave home with a collection of different cards; each resident is in possession of a smartcard. According to the city's primary developer, Stanley Gale, this single card enables people to pay for a multitude of activities, ranging from using the subway to parking your car or hiring one of the city's public bikes. Should you need to travel a little further afield, the smartcard can even get you across town in an electric smart car.

Paragraph 5

It will be some time before smart cities like Songdo catch on and start appearing in more countries, not least because of the sheer scale of the project that building a city like this would entail. Two additional potential pitfalls may also put people off. Strangely enough, one of these is, in fact, the advanced digital infrastructure in place in Songdo. Some argue that, with so much accessible at the touch of a button and the possibility of CCTV cameras everywhere, a person's every move is potentially being recorded, which may lead to a surveillance society where privacy is infringed. The other is that, in a brand new city, there is no established culture or history to draw on, and so a smart city might seem lacking in character compared with a city with years of life behind it already. Whatever your feelings about Songdo, the ambition and bold vision of the city's developers are to be admired. For all its potential drawbacks – and these will need to be addressed at some stage – Songdo appears to be the closest we have managed to get so far to realising the techie's dream place to live.

Questions 1-5

The text on page 2 has five paragraphs (1-5). Choose the best title for each paragraph from A-F below and **write the letter (A-F) on the lines below**. There is one title you don't need.

1. Paragraph 1
2. Paragraph 2
3. Paragraph 3
4. Paragraph 4
5. Paragraph 5

- A Getting around town made easy
- B Staying connected and being green have never been easier
- C Too good to be true?
- D Songdo residents welcome smart technology
- E A different gadget to suit any situation
- F Smart town planning doesn't come cheap

Questions 6-10

Choose the **five statements** from A-H below that are **TRUE** according to the information given in the text on page 2. **Write the letters of the TRUE statements on the lines below (in any order)**.

6.
7.
8.
9.
10.

- A The writer suggests it can be challenging to go to typical city centres by car.
- B Smart cities can only be built in South Korea.
- C Smart cities like Songdo utilise systems that help keep the planet green.
- D It is implied that conventional waste disposal is not as efficient as it could be.
- E Songdo residents don't have to pay to travel within the city.
- F Surveillance technology could be used to monitor people's behaviour in smart cities.
- G Cities that aren't smart may seem boring and uninteresting compared with those like Songdo.
- H The writer is more positive than negative about Songdo.

Questions 11-15

Complete sentences 11-15 with an exact number, word or phrase (maximum three words) from the text. **Write the exact number, word or phrase on the lines below**.

11. A range of different hi-tech products can be bought from a local or on the internet.
12. Songdo is likely to be in other countries.
13. One of the advantages of Songdo is that the internet is in most places throughout the city.
14. Inhabitants of Songdo are a travel-card which can be used for several different purposes.
15. Although the highly sophisticated of Songdo provides technological advantages, it may also create new problems.

Turn over page

Task 2 – Multi-text reading

In this section there are four short texts for you to read and some questions for you to answer.

Questions 16-20

Read questions 16-20 first and then read texts A, B, C and D below the questions.

As you read each text, decide which text each question refers to. **Choose one letter – A, B, C or D – and write it on the lines below.** You can use any letter more than once.

Which text would be most useful for someone who:

- 16. is thinking of getting involved in beekeeping?
- 17. has never seen inside a beehive before?
- 18. wants to understand the reasons why bees are in danger?
- 19. wants to learn more about the organisation of social insects?
- 20. is interested in myths and legends about bees?

Text A

Text B

The Great Bee Mystery

Beekeeper Jack Walsh opens the first hive and I look inside. ‘You can see the workers have gone, but the queen and the honey are still there – other bees would normally steal that, but won’t touch it in a CCD hive.’

CCD, or Colony Collapse Disorder, has wiped out over a third of the UK’s hives, and some believe up to 70% could be threatened. The phenomenon involves the sudden abandonment of a hive, and is yet to be explained, although, as Dr Karen Marsh at the University of London told me, various theories are being examined: ‘The chief suspect is the varroa mite,

a tiny parasite which sucks the bees’ blood and carries a number of diseases. However, to stay healthy, bees also need a varied diet, but nowadays many farms grow just one crop. Plus, some pesticides may interfere with the bees’ navigation system. The only consensus is that a number of factors play a role.’

Jack Walsh blames modern methods: ‘We need to get back to basics, so no more antibiotics, or transporting bees hundreds of miles for pollination.’

Text C

Bees in folklore – What traditions have you heard?

Joe: My granddad told me bees can recognise their beekeeper!

Alex: Here they say that if someone in the family gets married, you have to 'tell the bees' and leave them some wedding cake, or they'll get annoyed.

Luis: Because honey was the main sweet food in the old days, quite a few cultures say bees originated with the gods.

Helen: @Alex – Yes, but the same goes for bad news – they like to feel part of the family!

Rashid: I've heard they don't sting at night. Is it true?

Silvio: @Joe – Tell him it's not just an old wives' tale – there's research that says they might be able to tell faces apart.

Silvio: @Rashid – No, they'll sting you any time if they're threatened.

Benjamin: @Alex – I read that they've always been seen as a model for a good family – the way they all play their part and work hard and all that. So I suppose the belief is that if you include them in your family, that'll be harmonious too.

Text D

The Newbie Beekeeper's blog

10 December

Starting out

After studying a few books, I bought my first hive – a new one (it's best to avoid second-hand ones because of risk of disease) – and a small colony of workers with a queen. I found a second-hand veil and jacket, and a cheap smoker for calming down the bees before opening the hive – the smoke makes them think they need to evacuate the hive, so they quickly eat as much honey as they can, which makes them sleepy and slow. A local farmer was happy to have the hive on his land as long as it was away from his horses, as for some reason bees don't like them.

I got stung a lot more than I expected at first, until an experienced beekeeper watched me open the hive, and advised me to keep my movements much more calm and gentle. Oh, and to zip up my veil all the way – I learnt that lesson the hard way!

Questions 21-25

Choose the **five statements** from A-H below that are **TRUE** according to the information given in the texts above. **Write the letters of the TRUE statements on the lines below (in any order).**

- | | |
|----------|--|
| 21. | A There is an old tradition that you should share news of the family with the bees. |
| 22. | B Research studies have shown that bees only sting people during the daytime. |
| 23. | C A certain proportion of the beehive colony will not survive from one year to another. |
| 24. | D The spread of CCD risks causing a major problem for the UK's farm and food production. |
| 25. | E The smell that the bee colony produces is determined by the specific flowers which they visit. |
| | F More research is needed to confirm whether the varroa mite is the main cause of CCD. |
| | G Anecdotal and scientific evidence suggest bees can recognise human facial features. |
| | H CCD means that beehives now have to be moved around the country for pollination. |

Turn over page

Questions 26-30

The notes below contain information from the texts on pages 4 and 5. Find an exact number, word or phrase (maximum three words) from texts A-D to complete the missing information in gaps 26-30.

Write the exact number, word or phrase on the lines below.

Notes**How to keep bees****Essential equipment needed:**

- A beehive, ideally a (26.) one
- A bee colony, including (27.)
- Suitable protective clothing, ie (28.)
- An instrument for calming the bees, ie a smoker

Choice of location:

- On a piece of land near nectar-bearing plants, eg flowers, crops
- At a safe distance from other animals, eg (29.)

Other considerations:

- Keeping the hive healthy, ie ensuring a varied diet and avoiding (30.)
- Getting advice from experienced beekeepers
- Keeping up-to-date with the latest research

