

**ANSWER KEY**

**READING COMPREHENSION**

(9.5 marks)

**A. Find in the text what the underline words refer to. (1.5 marks: 0.5 per correct answer)**

1. "these benefits": "maximise weight reduction,... more reliable than other traditional metallic materials..., leading to reduced aircraft maintenance costs, and a lower number of inspections during service ...added strength and superior durability for a longer lifespan."
2. "it": "improving the speed of composite manufacturing"
3. "this material": "carbon fibre reinforced plastic"

**B. True / False: Justify by quoting from the text. (4 marks)**

4. **TRUE:** "Airbus has pioneered the use of composites and other advanced materials in aircraft design and manufacturing".
5. **TRUE:** "Airbus is continuously developing technologies to improve the speed of composite manufacturing".
6. **FALSE:** "fuselage panels, frames, window frames, clips, and door are made from carbon fibre reinforced plastic (CFRP), with a hybrid door frame structure consisting of this material and titanium being used for the first time."
7. **TRUE:** "Airbus... ensures that an overall airframe always will feature an optimum balance of both materials."

**C. Complete the chart with information from the text. (2 marks)**

Application of Composites on the Airbus Aircraft

<b>8.</b> Amount of Composites on the A350XWB	<b>a.</b> more than 50%
<b>9.</b> Composites used on the A350 XWB	<b>b.</b> carbon fibre reinforced plastic <b>c.</b> carbon fibre reinforced plastic and titanium
<b>10.</b> Advantages of the application of composites	<b>d.</b> service intervals for the aircraft increased from six years to 12, <b>e.</b> maintenance costs reduced for customers <b>f.</b> need for fatigue-related inspections reduced <b>g.</b> requirement for corrosion-related maintenance checks lessened.
<b>11.</b> Method for controlling the quality of composites	<b>h.</b> non-destructive testing (NDT)

**D. Find the meaning of these words from the text. (2 marks)**

**12.** "environmentally-friendly jetliners" are jetliners

- a.** with no negative impact on the environment

**13.** "leverage" means to

- b.** take full advantage of

**15.** "feature" means

- a.** show

**14.** "fatigue-related inspection" is about

- b.** Checking break or collapse condition of aircraft components making them unfit for work.

LINGUISTIC COMPETENCE

(6.5 marks)

**E. Reformulate the sentences using the prompts given. (1 mark: 0.5 per correct answer)**

16. It is really a pity that we Africans do not have the means to develop an aircraft industry.  
I wish Africans had the means to develop an aircraft industry.

17. In order to reduce the quantity of chemicals on structural components, engineers are constantly working on new composites.

**F. Put the verbs in brackets into the correct tense or form. (2 marks: 0.5 per correct answer)**

18. would have produced

19. would better serve

20. has shown

21. are undermined / are being undermined / have been undermined

**G. Complete the sentences with words from the box. (2 marks: 0.5 per correct answer)**

22. NO

23. LITTLE

24. SOME

25. MANY

**H. Complete the sentences with the right preposition. (1.5 marks: 0.5 per correct answer)**

26. ON

27. OFF

28. UP

WRITING

(4 marks)

RELEVANCE 1

COHERENCE 1

IDEAS 1

ACCURACY 1