



# UNCLE ROGER'S FESTIVE QUIZ

Seek a cosy corner far from the madding crowd, break out a bottle of an inspiring beverage of your choice, chuck your 'Six-Sigma lean manufacturing for beginners' handbook away, sit back in your mock-up Concorde captain's seat and strap in for this year's quiz. As usual, the rules remain one point for each aeroplane or other flying contraption correctly identified in the pictures; questions as indicated. Scoring: maximum 177 points; over 160 - Total Aviation Person; 100-159 - come and work for Budgie News; 50-99 - apply to work with Bottom Neddy in the fuel price fixing and 'help the aged pilot' department at the Ministry of Planes; under 50 - take over as Top Neddy and work out the wiring problems on your Uncle's long-delayed Wide Bodied Armchair. Now chocks away, smooth landings and a happy new year! • Answers on P52



### In the news in 2006

1. Whose world record "Ultimate Flight" ended on 11 February with an emergency landing at Bournemouth airport in the UK after a take-off from Kennedy Space Center three days earlier...and in what? (2pt)
2. Which project's break-even moved to 420 after further delays, and what was it before, to the nearest 20? (2pt)
3. Which secret project, officially dubbed the P-175, but also named after a small carnivorous mammal, was unexpectedly revealed in 2006, and by which company? (2pt)
4. Which unmanned aircraft found a watery grave in an apparent attempt to find its namesake? (1pt)
5. Which RAF type took "early" retirement at 55? (1pt)
6. Which top executive swapped his BBJ for a Model T? (1pt)
7. The roll-out of which final T-tail, twin-engined airliner marked the end of an era? (1pt)



8. A decade after dawning on the business jet horizon, what finally achieved certification? (1pt)

9. Which manufacturer put others in the shade by winning the Collier Trophy? (1pt)

10. Which stretched study widebody stretched again before being launched by which European airline? (2pt)

## Air Transport

1. What is the world's most popular regional jet in overall sales terms, and roughly how many of them are there? (2pt)

2. Match the following airline chief nationalities and national carrier countries: British, Australian, Irish; Abu Dhabi, Dubai, UK (3pt + 3 bonus points for names)

3. Who, according to this year's airliner census, is the world's largest operator of the a) A319-100 b) 777-300ER? Extra point for totals to nearest five (3pt)

4. Rank the following by when they made their first flights and give the year: A320, 737-700, CRJ100 and ERJ-145 (4pt)

**C**

5. From an engine perspective, what do the following have in common and why: A380, 757-200/300, 777-300 and 787-8? (2pt)

6. Which company builds the following and in which countries? a) the A380's winglets b) the 787's passenger doors (4pt)

7. What, according to the airliner census, is the most numerous Russian/Soviet-built jet airliner? Extra point to the nearest 100 (2pt)

8. Name the airlines scheduled to be launch operators for the following types: a) A380 b) 787 c) Superjet 100 (3pt)

9. Which widebody twinjet design has a) the widest fuselage cross-section? b) the greatest wing area? (1pt each and a bonus point for the dimensions)

10. What was the best-selling regional aircraft in 2005 (in net order terms)? (2pt)



# Straight & Level

## Defence

1. Which two countries signed new deals for the Boeing C-17? (2pt)
2. BAE Systems received a production contract for the Nimrod MRA4 in July. How many aircraft will the UK Royal Air Force receive? (1pt)
3. What did Singapore pick as its Basic Wings Course Trainer from 2008? In which country will they be based? (2pt)
4. Which rotorcraft turned heads at Fairford and Farnborough in July after crossing the Atlantic? Which service was the type representing? (2pt)
5. The US Air Force gave Lockheed Martin's F-35 Joint Strike Fighter its official name this year. What is it? (1pt)
6. F-16 fighters were delivered to home bases in two new user nations by Lockheed Martin this year. Who are they? (2pt)
7. Which of the UK's V-bombers could return to the skies in 2007 as part of the 25th anniversary commemorations of the

Falklands/Malvinas conflict? What was the name of the type's famous strike mission launched on Port Stanley from Ascension Island? (2pt)

8. The German air force marked a special anniversary in mid-2006. How old is the Luftwaffe? (1pt)
9. Venezuela's order for new transport and maritime patrol aircraft fell through this year. Which two types was it planning to introduce? (2pt)
10. Which of the UK's fighter types bowed out of service this year? (1pt)

## Business & General Aviation

1. Name two very light jets that achieved certification this year (2pt)
2. What did the "Fat 10" formally become late in 2006? (1pt)
3. Name two new models launched by Cessna this year (2pt)
4. Raytheon launched two new mid-size products. Name them and explain what

sets each aircraft apart from their ubiquitous Hawker 850XP stablemate (4pt)

5. The advent of the very light jet has spawned a number of international start-up air-taxi operators. Name three (3pt)
6. Which well-established general aviation aircraft manufacturers have entered the personal jet market for the first time? Name their aircraft (4pt)
7. Embraer expanded its business jet offering this year with which aircraft, and on what is it based? (2pt)
8. Which Canadian heritage aircraft could make a comeback next year if market demand is strong enough, and which company wants to do it? (2pt)
9. Eurocopter and Bell are upgrading light twins and single models respectively. Can you name them? (3pt)
10. The Sikorsky S-76 is set for an engine upgrade. What is the new aircraft designation and the powerplant? (2pt)

## Propulsion

1. Snecma unveiled a new name for its SM-X business jet engine at the NBAA convention. What is it? (1pt)
2. What was different about the fuel used to power one of the B-52H's eight engines in a special flight test at Edwards AFB, California in September? (1pt)
3. P&W's GTF stands for what? And which airliner is it being proposed for? (2pt)
4. Ground testing on two new large commercial turbofans began on both sides of the Atlantic on 14 February and 19 March. What are they and what will they power? (3pt)
5. The GE-Honda jet has grown and been launched on two platforms. What are they and what is the thrust level of the launch version? (3pt)
6. Honeywell has announced plans for a new super mid-size business jet engine in





**E**

the 10,000lb-thrust (45kN) range. What is it called and what will it be based on? (2pt)

7. Which new production turbofan was successfully assembled and tested for the first time in just eight hours in late 2006? (1pt)

8. What is about to power the F-35 into the air for the first time, and which competing engine barely survived being axed this year? (2pt)

9. Sea-level testing of a new Pratt & Whitney Rocketdyne rocket engine for the Ares project is under way. What is it called, and from which earlier programme is it derived? (2pt)

10. A special piston aircraft engine that recaptures energy during deceleration and landing has been patented in the USA. What is it and who developed it? (3pt)





# Straight & Level



**J**



**K**



**L**

## Business

1) Match the number of 2006 engineering graduates with the country: 24,000, 300,000, 450,000; China, India and the UK (3pt)

2) How much in cost-saving is EADS hoping to achieve from its Power8 programme, announced in response to the delays to the A380 programme? To the nearest €0.5 billion (1pt)

3) Whose airline is holding "the equivalent of 11 flights a day to New York" over its home country, because of congestion? (1pt)



**M**



**N**

**Who wants to be a millionaire anyway?**

**Lend me your mobile Comrade, I need to phone a friend for these questions!**

4) "What we've done is shoot ourselves in both feet with one bullet." Which aircraft manufacturer's sales chief said that and to which programme was he referring? (2pt)

5) What fact adds weight to Oasis Hong Kong Airlines chairman Raymond Lee's claim that "being able to transport millions of people around the world who had previously not been able to afford flying [is] a very spiritual aim"? (1pt)

6) Why was the title of Raytheon chairman and chief executive Bill Swanson's work "Swanson's Unwritten Rules of Management" a cause of embarrassment to him and his company? (1pt)

7) Banning what is the solution to cutting carbon emissions from aviation, according to Ryanair's controversial chief executive Michael O'Leary? (1pt)

8) "A bad dream at Disneyland" is how which airline chief executive described what? (1pt)

9) Which maintenance provider did UAE-based Dubai Aerospace Enterprise (DAE) take over in a surprise move announced in September? (1pt)

10) What is "a baby only the mother could love", according to whom? What is its new name? (2pt)

## Spaceflight

1. When did NASA last achieve at least



Why do I always have to be 'Prancer'?



**O**

...Dasher

...Comet

...Vixen

Radio check...  
Blitzen

4. The first flight of which legendary British fighter took place in March 1936? (1pt)

5. The RAF's Group Capt Donaldson broke what at 615mph in September 1946, and in what? (2pt)

6. Test pilot Peter Twiss set a new world airspeed record in March 1956 in what? Which feat was this aircraft officially the first to perform? (2pt)

7. Pan American launched a new era in civil aviation by ordering what in April 1966? (1pt)

8. On 21 January 1976 two civil aircraft simultaneously took off from London and Paris. What were they, what was special about the event and where were they headed? (3pt)

9. What left Edwards AFB, California on 14 December 1986 and landed back there nine days later? What took it so long and where did it go? (3pt)

10. A six-wheeled vehicle called Sojourner began its journey on 4 December 1996. To where, and on what? (2pt)



**P**

United Arab Emirates and Singapore? (1pt)

8. Who won contracts for NASA's \$500 million Commercial Orbital Transportation Services programme? (1pt)

9. Which joint venture launch provider was split up this year? (1pt)

10. Which country's holiday this year was celebrated by the launch of Space Shuttle *Discovery* for STS-121?...and which holiday? (2pt)

three Shuttle launches in one year? (1pt)

2. Which important ESA satellite failed vacuum chamber testing earlier this year? (1pt)

3. Which company developed the world's first inflatable spacecraft, currently operating in orbit? (1pt)

4. Which company won the contract to build NASA's new Orion spaceship? (1pt)

5. What is the subject matter of the UK Ministry of Defence's Project Condign report published in May? (1pt)

6. Which developing country is debating a new manned space programme? (1pt)

7. Who announced a new suborbital space tourism service to be launched from the

## History by the sixes

1. Which Brazilian pioneer's 721ft-long flight is hailed as the first "official" flight in Europe in 1906 and, for an extra point, in what? (2pt)

2. Newton's third law of motion was validated by which famous US rocket pioneer in 1916 and, for an extra point, how? (2pt)

3. In 1926 the first-ever wireless message from the North Pole was broadcast from the Norge as it passed overhead. What sort of flying machine was the Norge and which nation built it? (2pt)



**Q**

Now take off  
to page 52 for the  
answers

