



# Headquarters Air Cadets Examination

Leading Cadet  
34/2 Airmanship II  
Generated 18-Jul-05

Serial: 1084

1. Use black or dark blue pen, NOT pencil.
2. Mark one answer per question with a cross.
3. If you wish to change an answer, cancel the original mark and mark another single answer.

A selected answer.

A cancelled answer.

Mark:

Name and Initials \_\_\_\_\_

Date of Exam \_\_\_\_\_

Date of Birth \_\_\_\_\_

Squadron/Unit \_\_\_\_\_

Wing \_\_\_\_\_

1 Which building at an airfield houses the people who monitor aircraft on the ground and in the air?

- a  Air traffic coordination tower
- b  Airborne traffic control room
- c  Air traffic coordination room
- d  Air traffic control tower

2 Which of the following controls aircraft departing from and arriving at an airfield?

- a  Approach controller
- b  Ground controller
- c  Air controller
- d  Airfield controller

3 A three sided solid mounted on a pole with a round base identifies what?

- a  Good ground
- b  Mobile hazards
- c  Stationary hazards
- d  Bad ground

4 What is PAR used for?

- a  Guiding the aircraft down the correct glide slope towards touch-down
- b  Giving the pilot directions when flying between airfields
- c  Guiding the pilot onto the runway with no assistance from the controller
- d  Allowing the pilot to get a fix on the aircraft's position

5 If an aircraft wishes to cross an airway which of the following is permitted:

- a  The aircraft must join the airway under control, fly along it, and then turn off when told to by ATC
- b  Providing there is no traffic in that part of the airway the aircraft can fly through without cleara
- c  The aircraft can be flown through the airway under radar control from the appropriate ATCRU
- d  The aircraft may fly through without clearance at a point clear of cloud

6 If two powered aircraft are heading directly towards each other at the same height, what avoiding action should the pilots take?

- a  One right turns and the other left turns
- b  Each turns to his own left
- c  One climbs and the other descends
- d  Each turns to his own right

7 What is the Tutor used for?

- a  Advanced trainer
- b  Navigation trainer
- c  Primary trainer
- d  Multi-engine trainer

8 Which aircraft is used as navigation and communications trainer:

- a  Harrier
- b  Dominie
- c  Bulldog
- d  Tornado

9 Which of these best describes the Griffin?

- a  Medium transport/medium lift helicopter
- b  Assault transport helicopter
- c  Anti-submarine warfare helicopter
- d  Training Helicopter

10 Which of these describes the Hawk?

- a  Primary jet trainer/tactical support capability
- b  Basic jet trainer/tactical support capability
- c  Multi-role strike/air defence capability
- d  Advanced jet trainer/air defence capability

11 Which of these aircraft is a historic bomber:

- a  Jaguar
- b  Hercules
- c  Lancaster
- d  VC10

12 Which of these best describes the role of the Sea King?

- a  Search and rescue
- b  Ground assault
- c  Heavy lifting
- d  Attack/support

13 Which aircraft is used in the tanker and transporter role:

- a  Sentry
- b  Tristar
- c  Chinook
- d  Lancaster

Which of these has 2 engines?

- Bulldog
- Dominie
- Tristar
- BAe 146

Which of these engines powers the Grob 115 (Tutor)?

- AVCO Lycoming
- Allison T56
- De Havilland Gypsy Major
- Lycoming 4-cylinder piston engine

Which of these has 2 engines?

- Dakota
- Sentry
- Hercules
- Vigilant

Which of these is powered by 2 Rolls Royce Viper turbofan engines?

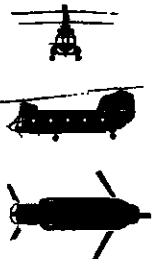
- Wessex
- Dominie
- Jaguar
- Tornado

Which of these has no engine?

- Harrier
- Vigilant
- Bulldog
- Viking

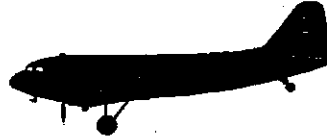
Identify the aircraft:

- Sea King
- Puma
- Chinook
- Wessex



20 Identify the aircraft:

- a  Dakota
- b  Lancaster
- c  Jetstream
- d  Dominie



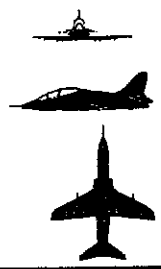
21 Identify the aircraft:

- a  Canberra
- b  Dominie
- c  Jetstream
- d  Tristar



22 Identify the aircraft:

- a  Hawk
- b  Harrier
- c  Jaguar
- d  Tucano



23 Identify the aircraft:

- a  Puma
- b  Wessex
- c  Apache
- d  Gazelle



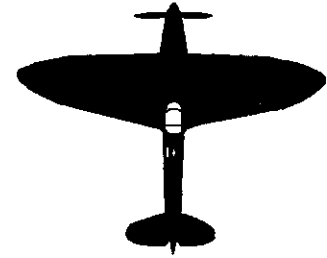
24 Identify the aircraft:

- a  Nimrod
- b  Sentry
- c  BAe 146
- d  Tristar



25 Identify the aircraft:

- a  Tucano
- b  Bulldog
- c  Spitfire
- d  Hurricane





# Headquarters Air Cadets Examination

Leading Cadet  
34/2 Airmanship II  
Generated 16-Jul-07

Serial: 1598

1. Use black or dark blue pen, NOT pencil.
2. Mark one answer per question with a cross.
3. If you wish to change an answer, cancel the original mark and mark another single answer.

A selected answer.

A cancelled answer.

Mark:

Name and Initials \_\_\_\_\_

Date of Exam \_\_\_\_\_

Date of Birth \_\_\_\_\_

Squadron/Unit \_\_\_\_\_

Wing \_\_\_\_\_

1 Which of these does the abbreviation ATC correctly represent?

- a  Air traffic centre
- b  Airborne traffic control
- c  Air traffic control
- d  Air traffic coordination

2 Which building at an airfield houses the people who monitor aircraft on the ground and in the air?

- a  Air traffic coordination room
- b  Airborne traffic control room
- c  Air traffic control tower
- d  Air traffic coordination tower

3 Which of the following controls aircraft departing from and arriving at an airfield?

- a  Approach controller
- b  Ground controller
- c  Air controller
- d  Airfield controller

4 A three sided solid mounted on a pole with a round base identifies what?

- a  Mobile hazards
- b  Stationary hazards
- c  Bad ground
- d  Good ground

5 If two aircraft are at about the same height and converging, which must take avoiding action:

- a  The faster of the two
- b  The slower of the two
- c  The aircraft that has the other on its right
- d  The aircraft that has the other on its left

6 Which aircraft's primary role is that of navigation training and communications?

- a  Jetstream
- b  Hercules
- c  Grob 115 (Tutor)
- d  Dominie

7 What is the BAe 146 used for?

- a  Reconnaissance
- b  Primary trainer
- c  Tanker duties
- d  VIP/communications

8 Which aircraft is used as a primary trainer:

- a  Sentry
- b  Tutor
- c  Tornado
- d  Harrier

9 Which of these can lift 44 troops?

- a  Wessex
- b  Puma
- c  Sea King
- d  Chinook

10 Which of these describes the Hawk?

- a  Primary jet trainer/tactical support capability
- b  Basic jet trainer/tactical support capability
- c  Advanced jet trainer/air defence capability
- d  Multi-role strike/air defence capability

11 Which of these aircraft is a historic bomber:

- a  Lancaster
- b  Jaguar
- c  Hercules
- d  VC10

12 Which of these best describes the role of the Sentry?

- a  Tanker/passenger
- b  Maritime reconnaissance
- c  Photographic reconnaissance
- d  Airborne early warning

13 Which aircraft is used as a basic trainer:

- a  Sentry
- b  Tucano
- c  Jaguar
- d  Tornado

14 Which of these has 4 engines?

- a  Bulldog
- b  BAe 146
- c  Tristar
- d  Jetstream

15 Which of these engines powers the Grob 115 (Tutor)?

- a  Allison T56
- b  AVCO Lycoming
- c  Lycoming 4-cylinder piston engine
- d  De Havilland Gypsy Major

16 Which of these is able to take off and land vertically?

- a  Tornado
- b  Hawk
- c  Jaguar
- d  Harrier

Which of these is powered by 4 Allison T36 turboprop engines?

- Hercules
- VC10
- Tristar
- Jetstream

Which of these is powered by 4 Rolls Royce Merlin engines?

- Lancaster
- Hercules
- VC10
- Jetstream

Which of these has 1 engine?

- Vigilant
- Janus
- Valiant
- Tornado

Identify the aircraft:

- BAe 146
- Hercules
- Sentry
- Jetstream



Identify the aircraft:

- Phantom
- Hawk
- Harrier
- Jaguar



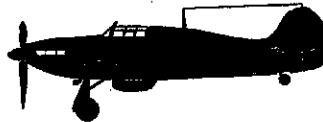
22 Identify the aircraft:

- a  Nimrod
- b  Hercules
- c  Lancaster
- d  Victor



23 Identify the aircraft:

- a  Spitfire
- b  Bulldog
- c  Jetstream
- d  Hurricane



24 Identify the aircraft:

- a  BAe 146
- b  Sentry
- c  Nimrod
- d  Tristar



25 Identify the aircraft:

- a  Tristar
- b  Nimrod
- c  VC10
- d  Victor





# Headquarters Air Cadets Examination

Leading Cadet  
34/2 Airmanship II  
Generated 17-Jul-07

Serial: 1615

1. Use black or dark blue pen, NOT pencil.
2. Mark one answer per question with a cross.
3. If you wish to change an answer, cancel the original mark and mark another single answer.

A selected answer.

A cancelled answer.

Mark:

Name and Initials \_\_\_\_\_

Date of Exam \_\_\_\_\_

Date of Birth \_\_\_\_\_

Squadron/Unit \_\_\_\_\_

Wing \_\_\_\_\_

1 Which of the following controls aircraft departing from and arriving at an airfield?

- a  Approach controller
- b  Air controller
- c  Airfield controller
- d  Ground controller

2 A marker 4m high and 2m across in the shape of the letter H identifies what?

- a  A helicopter servicing area
- b  A helicopter target area
- c  A helicopter landing area
- d  A helicopter loading area

3 What is ILS used for?

- a  Locates the range and bearing of an aircraft
- b  Guiding the pilot onto the runway with no assistance
- c  Allows approach control to guide the pilot in bad weather
- d  Lets the pilot see the runway lights

4 As well as the flight being made in accordance with the rules and the correct radio and navigational equipment what else is required for entering an airway:

- a  The correct speed at the time of joining
- b  The pilot has a valid instrument rating
- c  There must be no other aircraft within 50 nautical miles
- d  The aircraft must not enter cloud

5 What is the range of widths for airways, in nautical miles?

- a  5 to 10
- b  1 to 5
- c  20 to 30
- d  10 to 20

6 If two aircraft are at about the same height and converging, which must take avoiding action:

- a  The aircraft that has the other on its right
- b  The aircraft that has the other on its left
- c  The slower of the two
- d  The faster of the two

7 Which of these describes the primary role of the Dominie?

- a  Aerial reconnaissance
- b  Navigation and communications trainer
- c  Advanced trainer
- d  Airborne communications

8 Which of these describes the Jetstream?

- a  Primary jet trainer
- b  Crew trainer
- c  Advanced trainer/air defence capability
- d  Communications duties

9 Which aircraft is used in the airborne early warning role:

- a  Sentry
- b  Harrier
- c  Canberra
- d  Tristar

10 Which of these best describes the role of the Sea King?

- a  Ground assault
- b  Attack/support
- c  Heavy lifting
- d  Search and rescue

11 Which of these best describes the role of the Tornado?

- a  Basic jet trainer
- b  Advanced jet trainer
- c  Multi-role strike/air defence
- d  Anti-submarine patrol

12 Which of these aircraft is powered by ONE Rolls-Royce Pegasus turbofan?

- a  Wessex
- b  Harrier GR7
- c  Tornado - latest variant
- d  Hercules

13 Which of these engines powers the Grob 115 (Tutor)?

- a  AVCO Lycoming
- b  Lycoming 4-cylinder piston engine
- c  De Havilland Gypsy Major
- d  Allison T56

14 Which of these has 1 engine?

- a  Tornado
- b  Tristar
- c  Hawk
- d  VC10

15 Which of these has two engines?

- a  Hercules
- b  Harrier
- c  Hawk
- d  Jaguar

16 Which of these has 4 engines?

- a  Dominie
- b  Tristar
- c  Tornado
- d  Nimrod

17 Which of these is powered by 1 Rolls Royce Merlin engine?

- a  Dakota
- b  Bulldog
- c  Spitfire
- d  Lancaster

18 Which of these is powered by 1 Grob 62500 engine?

- a  Vigilant
- b  Viking
- c  Valiant
- d  Janus

19 Identify the aircraft:

- a  Canberra
- b  Jetstream
- c  Dominie
- d  Tristar



20 Identify the aircraft:

- a  Buccaneer
- b  Hawk
- c  Harrier
- d  Tornado



21 Identify the aircraft:

- a  Hawk
- b  Buccaneer
- c  Harrier
- d  Jaguar



22 Identify the aircraft:

- a  Chinook
- b  Wessex
- c  Puma
- d  Sea King



23 Identify the aircraft:

- a  Tristar
- b  VC10
- c  Sentry
- d  Nimrod



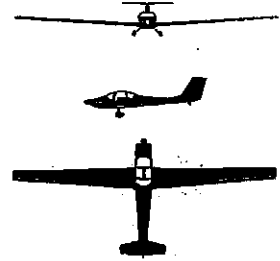
24 Identify the aircraft:

- a  VC 10
- b  Hercules
- c  Lancaster
- d  Tristar



25 Identify the aircraft:

- a  Vigilant
- b  Valiant
- c  Grob 115 (Tutor)
- d  Viking





# Headquarters Air Cadets Examination

Leading Cadet  
34/2 Airmanship II  
Generated 23-Jul-08

Serial: 1774

1. Use black or dark blue pen, NOT pencil.
2. Mark one answer per question with a cross.
3. If you wish to change an answer, cancel the original mark and mark another single answer.

A selected answer.

A cancelled answer.

Mark:

Name and Initials \_\_\_\_\_

Date of Exam \_\_\_\_\_

Date of Birth \_\_\_\_\_

Squadron/Unit \_\_\_\_\_

Wing \_\_\_\_\_

1 A marker 4m high and 2m across in the shape of the letter H identifies what?

- a  A helicopter servicing area
- b  A helicopter landing area
- c  A helicopter target area
- d  A helicopter loading area

2 What does the abbreviation GCA represent?

- a  General communications airfield
- b  Ground controlled approach
- c  General communications aid
- d  Ground controlled airfield

3 ATCC provides which service in connection with airways:

- a  Clearance to fly over the top
- b  Permission to take-off
- c  Planning of route
- d  Clearance to use airway

4 If an aircraft wishes to cross an airway which of the following is permitted:

- a  The aircraft may fly through without clearance at a point clear of cloud
- b  The aircraft can be flown through the airway under radar control from the appropriate ATCRU
- c  Providing there is no traffic in that part of the airway the aircraft can fly through without clearance
- d  The aircraft must join the airway under control, fly along it, and then turn off when told to by ATC

5 Who must give way to a conventional powered aircraft:

- a  None
- b  Only balloons
- c  Only gliders
- d  Airships

6 According to the rules of the air, if a fast aircraft is catching up with a slower one which is ahead and at the same (or nearly the same) height, how should the faster aircraft overtake the other?

- a  By descending at least 1000 feet lower and then overtaking
- b  By maintaining height and overtaking on the port side of the slower aircraft
- c  By climbing at least 1000 feet higher and then overtaking
- d  By maintaining height and overtaking on the starboard side of the slower aircraft

7 Which aircraft's primary role is that of navigation training and communications?

- a  Grob 115 (Tutor)
- b  Hercules
- c  Jetstream
- d  Dominie

8 What is the BAe 146 used for?

- a  Tanker duties
- b  Reconnaissance
- c  Primary trainer
- d  VIP/communications

9 Which of these can lift 44 troops?

- a  Puma
- b  Wessex
- c  Sea King
- d  Chinook

10 Which of these describes the Jetstream?

- a  Communications duties
- b  Crew trainer
- c  Primary jet trainer
- d  Advanced trainer/air defence capability

11 Which of these best describes the role of the Sea King?

- a  Attack/support
- b  Ground assault
- c  Search and rescue
- d  Heavy lifting

12 Which aircraft is used as a basic trainer:

- a  Tornado
- b  Tucano
- c  Sentry
- d  Jaguar

13 Which of these best describes the primary role of the Vigilant?

- a  Navigator trainer
- b  Advanced pilot trainer
- c  Cadet trainer
- d  Aircrew trainer

14 Which of these is used in a Harrier?

- a  Rolls Royce Pegasus
- b  Rolls Royce Avon
- c  Rolls Royce Spey
- d  Rolls Royce Gnome

15 Which of these has 2 engines?

- a  Bulldog
- b  Tristar
- c  Hercules
- d  Jetstream

PLEASE COMPLETE BOTH SIDES

16 Which of these has no engine?

- a  Bulldog
- b  Vigilant
- c  Viking
- d  Harrier

17 Identify the aircraft:

- a  BAe 146
- b  Hercules
- c  Sentry
- d  Jetstream



18 Identify the aircraft:

- a  Wessex
- b  Sea King
- c  Chinook
- d  Puma



19 Identify the aircraft:

- a  Jetstream
- b  Canberra
- c  Dominie
- d  Grob 115 (Tutor)



20 Identify the aircraft:

- a  Hurricane
- b  Spitfire
- c  Bulldog
- d  Dakota



21 Identify the aircraft:

- a  Nimrod
- b  VC10
- c  Sentry
- d  Canberra



22 Identify the aircraft:

- a  Wessex
- b  Puma
- c  Gazelle
- d  Sea king



23 Identify the aircraft:

- a  Buccaneer
- b  Hurricane
- c  Spitfire
- d  Phantom



24 Identify the aircraft:

- a  Tristar
- b  Nimrod
- c  Hercules
- d  Sentry



25 Identify the aircraft:

- a  VC 10
- b  Tristar
- c  Lancaster
- d  Hercules



PLEASE COMPLETE BOTH SIDES



# Headquarters Air Cadets Examination

Leading Cadet  
34/2 Airmanship II  
Generated 28-Aug-08

Serial: 1837

1. Use black or dark blue pen, NOT pencil.
2. Mark one answer per question with a cross.
3. If you wish to change an answer, cancel the original mark and mark another single answer.

- A selected answer.  
 A cancelled answer.

Mark:

Name and Initials \_\_\_\_\_

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Squadron/Unit \_\_\_\_\_

Wing \_\_\_\_\_

1 A three sided solid mounted on a pole with a round base identifies what?

- a  Stationary hazards  
b  Good ground  
c  Bad ground  
d  Mobile hazards

2 What is the range of widths for airways, in nautical miles?

- a  5 to 10  
b  1 to 5  
c  10 to 20  
d  20 to 30

3 Which aircraft is used as a primary trainer:

- a  Harrier  
b  Tutor  
c  Sentry  
d  Tornado

4 Which of these is a historic transport aircraft:

- a  Hercules  
b  Jetstream  
c  Dakota  
d  Chipmunk

5 Which aircraft is used as navigation and communications trainer:

- a  Dominie  
b  Bulldog  
c  Tornado  
d  Harrier

6 Which aircraft's primary role is that of training helicopter?

- a  Sea king  
b  Griffin  
c  Wessex  
d  Chinook

7 Which aircraft is used in the ground attack and reconnaissance role:

- a  Canberra  
b  Harrier  
c  Hercules  
d  Nimrod

8 Which of these aircraft is a historic fighter:

- a  Lancaster  
b  Hurricane  
c  Chipmunk  
d  Hercules

9 Which of these describes the Jetstream?

- a  Advanced trainer/air defence capability  
b  Communications duties  
c  Crew trainer  
d  Primary jet trainer

10 Which of these best describes the Puma?

- a  Medium transport/lift helicopter  
b  Light utilities helicopter  
c  Anti-submarine warfare helicopter  
d  Assault transport helicopter

11 Which of these aircraft is a historic fighter:

- a  Hercules  
b  Chipmunk  
c  Spitfire  
d  Dakota

12 Which helicopter is used primarily as a search and rescue vehicle:

- a  Wessex  
b  Puma  
c  Chinook  
d  Sea King

13 Which aircraft is used in the tanker and transport role:

- a  Lancaster  
b  Dominie  
c  Nimrod  
d  VC10

14 Which of these applies to the Chinook?

- a  Single-engined, single rotor  
b  Twin-engined, twin rotor  
c  Single-engined, twin rotor  
d  Twin-engined, single rotor

15 Which of these has 1 engine?

- a  Hawk  
b  Tristar  
c  VC10  
d  Tornado

16 Which of these has 4 engines?

- a  Tristar  
b  Lancaster  
c  Dakota  
d  Harrier

17 Which of these is powered by 1 Rolls Royce Merlin engine?

- a  Bulldog  
b  Lancaster  
c  Spitfire  
d  Dakota

18 Which of these is powered by 1 Grob G2500 engine?

- a  Valiant  
b  Viking  
c  Janus  
d  Vigilant

19 Identify the aircraft:

- a  BAe 146
- b  Sentry
- c  Hercules
- d  Jetstream



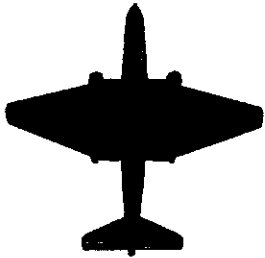
23 Identify the aircraft:

- a  Jet Provost
- b  Harrier
- c  Bulldog
- d  Hawk



20 Identify the aircraft:

- a  Dakota
- b  Dominie
- c  Nimrod
- d  Canberra



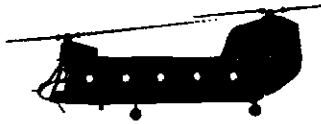
24 Identify the aircraft:

- a  BAe 146
- b  Hercules
- c  Lancaster
- d  Dakota



21 Identify the aircraft:

- a  Chinook
- b  Gazelle
- c  Sea King
- d  Wessex



25 Identify the aircraft:

- a  Vigilant
- b  Firefly
- c  Viking
- d  Harrier



22 Identify the aircraft:

- a  Harrier
- b  Hawk
- c  Jaguar
- d  Phantom

