

# sample questions for air traffic controller examination

The air traffic controller examination consists of three separate subtests. The first test is intended to assess air traffic controller aptitudes. The second test is intended to assess the ability to perceive spatial relationships. The third test is

intended to assess knowledges related to air traffic control work. (These knowledges are not required to take the examination nor to be selected into an air traffic controller position.)

The tests are scored by machine, and, therefore, you will receive a separate answer sheet (i.e., separate from the test booklet which contains the questions). On this answer sheet you should carefully mark your answers by darkening the bar which represents the correct alternative to each question. A sample answer sheet is shown on page 21 in the section which deals specifically with the second test.

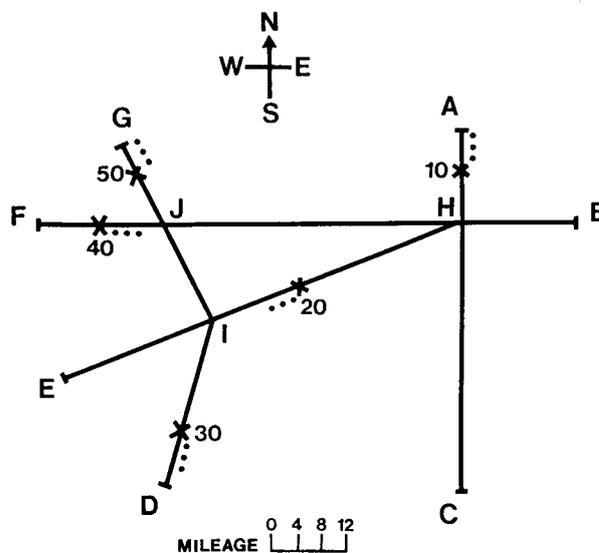
## Test I

This test consists of drawings which simulate a radar scope depicting characteristic patterns of air traffic. Each problem contains a drawing of particular flight paths and aircraft flying on those routes. A table containing information about the altitude, speed, and route of each aircraft accompanies each drawing. Your task will be to answer questions which make use of this flight information. The questions ask for identification of potential midair collisions, differences in the routes of aircraft, distances between aircraft, compass headings of different aircraft, and changes in routes. Some preliminary instructions necessary to read correctly the information provided in the problems will be given to you at the test site before you actually start taking the test.

A typical example of the kind of information provided in the test problems is given on the right. The drawing shows the particular flight paths that aircraft must follow. Changes in routes can occur only at the intersection between two routes. Each x depicted on the routes represents an aircraft traveling in a particular direction indicated by the trailing dots.

A table containing critical flight information about each aircraft is provided. The number next to each x on the drawing allows the matching of the flight information to the correct aircraft. The flight information lists the altitude, speed in miles per hour, and route that each aircraft is flying.

An example of the simulated radar scope and table of flight information is given below.



### Flight Information:

Aircraft	Altitude	Speed	Route
10	5000	300	AHC
20	5500	300	EIHB
30	5000	450	DIJF
40	6000	450	BHJF
50	6000	300	GJBH

**Test II**

In this test the questions deal with relationships among sets of figures and with relationships among sets of letters.

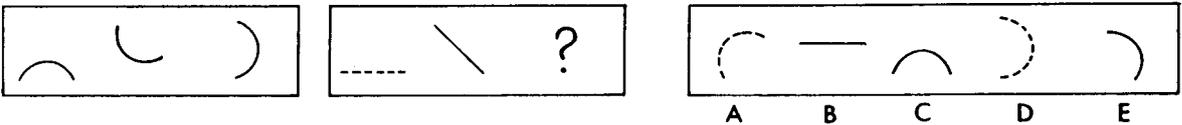
The sample questions shown below illustrate the types of relationships which you will be asked to discover. A sample answer sheet is provided to

the right of the sample questions. You should mark your answers to the sample questions on this sample answer sheet by darkening the bar corresponding to the letter of your answer for each question. The correct answers are given at the bottom of page 22.

**SAMPLE QUESTIONS**

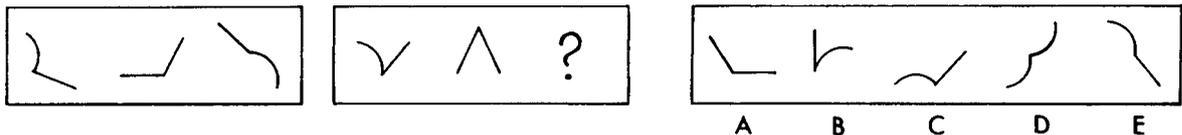
Each of the first four questions has two boxes at the left. The symbols in the second box are different from the symbols in the first box. There is a relationship among the symbols within the first box and a relationship among the symbols within the second box. The relationship in the second box is similar but not identical to the relationship in the first box. Using these similarities and differences, choose from the five lettered alternatives (A, B, C, D, or E) the symbol that can best be substituted for the question mark in the second box. The correct answer is never based upon the series or progression of the symbols.

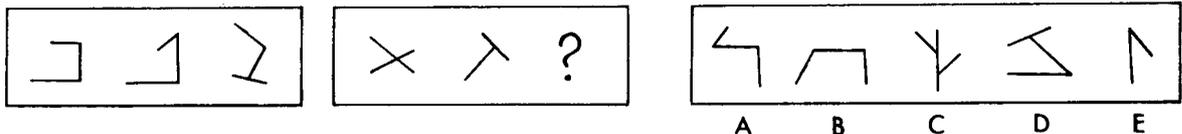
SAMPLE ANSWER SHEET					
	A	B	C	D	E
1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

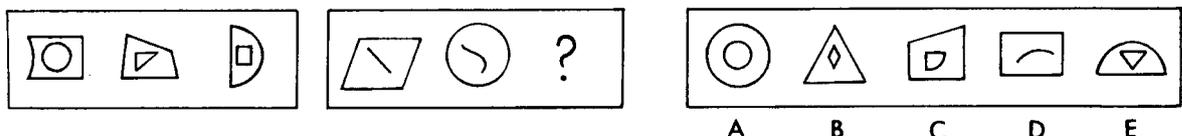
1. 

In question 1 all the symbols in the first box are curved while the symbols in the second box are straight. Of the lettered symbols in the third box, only B is straight, so B has been marked on the sample answer sheet. (Note that although

one symbol in the second box is made of dashes, the other is not, and so a dashed type of line is not the difference between the two boxes.) Now do questions 2 through 4.

2. 

3. 

4. 

In each of the next five questions there are at the left a series of seven capital letters which follow some definite order and at the right five sets of two capital letters each. Look at the letters in the series and determine what the order is; then, from the suggested answers at the right, select the set that gives the next two letters in the series. Next to the question number on the sample answer sheet darken the bar that has the same letter as the set you have chosen.

SAMPLE ANSWER SHEET					
	A	B	C	D	E
5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	A	B	C	D	E
6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	A	B	C	D	E
7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	A	B	C	D	E
8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	A	B	C	D	E
9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

5. X C X D X E X ..... A) F X      B) F G      C) X F      D) E F      E) X G

The A space has been darkened for question 5 because the series consists of X's alternating with letters in alphabetical order. Now do sample questions 6 through 9.

6. A V A W A X A ..... A) Z A      B) Y Z      C) Y A      D) A Z      E) A Y

7. A T T B S S C ..... A) R R      B) R D      C) C R      D) D D      E) C C

8. A B D E G H J ..... A) K L      B) L N      C) J M      D) L M      E) K M

9. A R C S E T G ..... A) H I      B) H U      C) U J      D) U I      E) I V

Correct Answers to Sample Questions: 1-B, 2-B, 3-E, 4-D, 5-A, 6-C, 7-A, 8- E, 9-D.