

SAMPLE ARMY ALTERNATE FLIGHT APTITUDE SELECTION TEST

This part contains specimen answer sheets for use in answering the questions on each subtest, a specimen Alternate Flight Aptitude Selection Test, key answers for determining your scores on these subtests, and the rationale or explanation for each key answer.

Remove the specimen answer sheets on the following pages so you can record your answers to the test questions. The specimen Alternate Flight Aptitude Selection Test is similar in format and content to the actual Alternate Flight Aptitude Selection Test. Take this test under "real" test conditions. Time each subtest carefully.

Use the answer keys to obtain your subtest scores and to evaluate your performance on each subtest. Record the number of items you answered correctly, as well as the number of each item you answered incorrectly or want to review, in the space provided below the key answers for each subtest.

Be certain to review carefully and understand the explanations for the answers to all questions you answered incorrectly and for each of the questions that you answered

correctly but are unsure of. This is absolutely essential in order to acquire the knowledge and expertise necessary to obtain the maximum scores possible on the subtests of the real Alternate Flight Aptitude Selection Test.

The introductory material for general orientation, as well as the general directions for taking the test, appears before the actual test questions. It is not included in this specimen test because much of this material was covered previously in this book.

Format of the AFAST

Subtest	Minutes	Questions
1. Background Information Form	10	25
2. Instrument Comprehension	5	15
3. Complex Movements	5	30
4. Helicopter Knowledge	10	20
5. Cyclic Orientation	5	15
6. Mechanical Functions	10	20
7. Self-Description Form	25	75

SUBTEST 1

BACKGROUND INFORMATION

Description

This subtest has 25 questions about your background. (Time: 10 minutes)

Instructions

Answer each question as accurately as you can, to the best of your ability and recollection. Skip those questions that do not pertain to you. The 25 questions on this subtest are all five-option items.

Sample Item

1. What type of high school program did you take?

- (A) Academic
- (B) General
- (C) Technical
- (D) Vocational
- (E) High school equivalency

If you took the academic program and graduated, select choice (A). ● (B) (C) (D) (E)

If you took the general program and graduated, select choice (B). (A) ● (C) (D) (E)

If you took the technical program and graduated, select choice (C). (A) (B) ● (D) (E)

If you took the vocational program and graduated, select choice (D). (A) (B) (C) ● (E)

If you did not graduate from high school but earned the high school equivalency diploma, select choice (E). (A) (B) (C) (D) ●

When you begin, be sure to start with question number 1 on your test booklet and number 1 on your answer sheet.

STOP! DO NOT TURN THIS PAGE UNTIL TOLD TO DO SO.

BACKGROUND INFORMATION

TIME: 10 Minutes—25 Questions

The questions in this subtest are biographical and pertain to your general background. Answer each question to the best of your ability and recollection. Skip those questions that do not pertain to you.

1. What is your age?
 - (A) Under 20 years
 - (B) 20–23 years
 - (C) 24–27 years
 - (D) 28–31 years
 - (E) 32 years or more
2. Where did you live most of the time before you were 20 years of age?
 - (A) The Northeast region of the United States
 - (B) The Southern region of the United States
 - (C) The Central region of the United States
 - (D) The Western region of the United States
 - (E) Outside the continental United States
3. If foreign born, when did you come to the United States to stay?
 - (A) 0–5 years ago
 - (B) 6–10 years ago
 - (C) 11–15 years ago
 - (D) 16–20 years ago
 - (E) 21 or more years ago
4. If foreign born, in which geographical area were you born?
 - (A) Asia
 - (B) Africa
 - (C) North or South America
 - (D) Europe
 - (E) Australia
5. What is your parents' citizenship status?
 - (A) Both are native-born American citizens.
 - (B) One is native-born; the other is naturalized.
 - (C) Both are naturalized American citizens.
 - (D) One is a naturalized citizen; the other is a permanent resident.
 - (E) Both are legally admitted permanent residents.
6. How many years of schooling did your father complete?
 - (A) College graduation
 - (B) Some college training
 - (C) High school graduation
 - (D) Some high school training
 - (E) Elementary school training
7. If your father served in the U.S. Armed Forces, in which branch did he serve?
 - (A) Navy
 - (B) Marines
 - (C) Coast Guard
 - (D) Army
 - (E) Air Force
8. How many years of schooling did your mother complete?
 - (A) College graduation
 - (B) Some college training
 - (C) High school graduation
 - (D) Some high school training
 - (E) Elementary school training
9. If your mother served in the U.S. Armed Forces, in which branch did she serve?
 - (A) Navy
 - (B) Marines
 - (C) Coast Guard
 - (D) Army
 - (E) Air Force
10. How many sisters and brothers do you have in your family?
 - (A) 0
 - (B) 1
 - (C) 2
 - (D) 3
 - (E) 4 or more

GO ON TO THE NEXT PAGE.

11. How were you raised?
- (A) In a two-parent household
 - (B) In a single-parent household
 - (C) By relatives
 - (D) By foster parents
 - (E) In an institution
12. Which one of the following best characterizes the behavior of your parents toward you?
- (A) They always were very strict with you.
 - (B) They usually were very strict with you.
 - (C) They often were very strict with you.
 - (D) They seldom were very strict with you.
 - (E) They never were very strict with you.
13. In what type of community did you live most of the time before you were 20 years old?
- (A) Large city (population of more than 250,000)
 - (B) Small city (population of less than 250,000)
 - (C) Suburb of the city
 - (D) Town or village
 - (E) Rural community
14. Which of the following types of high schools did you attend?
- (A) Public, academic
 - (B) Public, vocational
 - (C) Private, parochial
 - (D) Private, non-parochial
 - (E) Military
15. How old were you when you were graduated from high school?
- (A) 16 years or less
 - (B) 17
 - (C) 18
 - (D) 19
 - (E) 20 or more years
16. How many years of college work have you completed?
- (A) Less than one year
 - (B) 1 year
 - (C) 2 years
 - (D) 3 years
 - (E) 4 or more years
17. If you were employed on school days during the last four years of your schooling, how many hours did you work per week?
- (A) 5 or less
 - (B) 6–10
 - (C) 11–15
 - (D) 16 or more
 - (E) Did not work on school days
18. How did you usually travel to and from school during the last four years of your schooling?
- (A) Walking
 - (B) Bus
 - (C) Private car
 - (D) Taxi
 - (E) Train or subway
19. How many hours a week did you devote to volunteer work in the community during the last four years of your schooling?
- (A) 5 or less
 - (B) 6–10
 - (C) 11–15
 - (D) 16 or more
 - (E) Did no volunteer work
20. If you were a volunteer, which of the following best describes the nature of the volunteer work?
- (A) Religious
 - (B) Educational
 - (C) Civil or political
 - (D) Charitable
 - (E) Health-care related
21. If you took the Armed Services Vocational Aptitude Battery (ASVAB), in which of the following categories did your score fall?
- (A) Category I 93rd–100th percentile range
 - (B) Category II 65th–92nd percentile range
 - (C) Category III 31st–64th percentile range
 - (D) Category IV 10th–30th percentile range
 - (E) Category V 9th percentile and below
22. If a college graduate, how old were you when you were graduated from college?
- (A) 20 years or less
 - (B) 21 years
 - (C) 22 years
 - (D) 23 years
 - (E) 24 years or more
23. What was your standing in your college graduating class?
- (A) Honor graduate
 - (B) Top third but not an honor graduate
 - (C) Middle third
 - (D) Bottom third
 - (E) Not a college graduate

24. What is your present marital status?
- (A) Married
 - (B) Divorced
 - (C) Separated
 - (D) Widowed
 - (E) Never married
25. What is your current or most recent employment?
- (A) Employee of private company, business, or individual for wages, salary, or commission
 - (B) Government employee
 - (C) Self-employed in own business, professional practice, or farm
 - (D) Working without pay in family business or farm
 - (E) Never employed

DO NOT GO ON UNTIL TOLD TO DO SO.

STOP! IF YOU FINISH BEFORE THE TIME IS UP, YOU MAY CHECK OVER YOUR WORK ON THIS PART ONLY.

INSTRUMENT COMPREHENSION

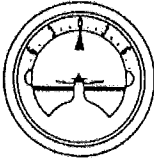
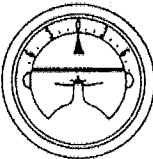
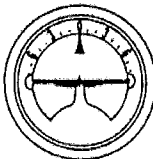
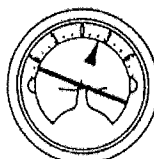
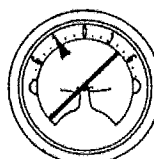
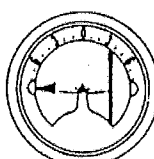
Description

In this subtest, you will have to determine the position of an airplane in flight by looking at two dials, one showing the artificial horizon, the other showing the compass heading. From these you will determine the amount of climb or dive, the degree of bank to left or right, and the heading. Five airplane silhouettes are shown from which you will choose the one that *most nearly represents the position indicated on the dials*. There are 15 questions. (Time: 5 minutes)

Instructions

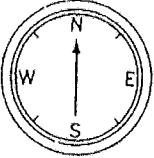
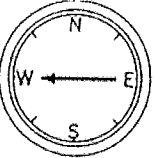
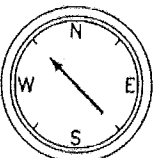
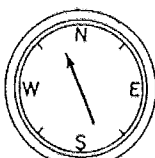
Below are shown two sets of dials, labeled ARTIFICIAL HORIZON and COMPASS. The *heavy black line* on the ARTIFICIAL HORIZON represents the horizon line. If the airplane is *above* the horizon, it is climbing. If it is *below* the horizon, it is diving. The greater amount of climb or dive, the farther up or down the horizon line is seen. The ARTIFICIAL HORIZON dial also has a black arrowhead showing the degree of bank to left or right. If the airplane has *no* bank, the arrowhead points to *zero*. If it is banked to the *left*, the arrowhead points to the *right* of zero. If the airplane is banked to the *right*, the arrowhead points to the *left* of zero.

EXAMPLES OF THE ARTIFICIAL HORIZON

					
Climbing No bank	Diving No bank	Not climbing or diving No bank	Not climbing or diving 22° left bank	Not climbing or diving 30° right bank	Climbing 90° right bank

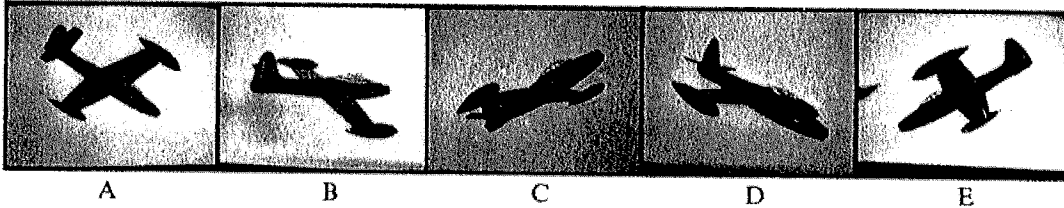
The COMPASS dial shows the direction the airplane is headed at the moment.

EXAMPLES OF THE COMPASS DIAL

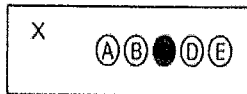
			
North	West	Northwest	North-Northwest

Now look at sample item X and decide which airplane is in the position indicated by the dials. You are always looking north at the same altitude as each of the planes. East is always to your right as you look at the page.

X



In sample item X, the dial labeled ARTIFICIAL HORIZON shows that the airplane is climbing but is not banked. The COMPASS shows that it is headed southeast. The only one of the five airplane silhouettes that meets these specifications is in the box lettered C, so the answer to sample item X is choice (C).



When you begin, be sure to start with question number 26 on Subtest 2 in your test booklet and number 26 on your answer form. Do not spend too much time on any one question.

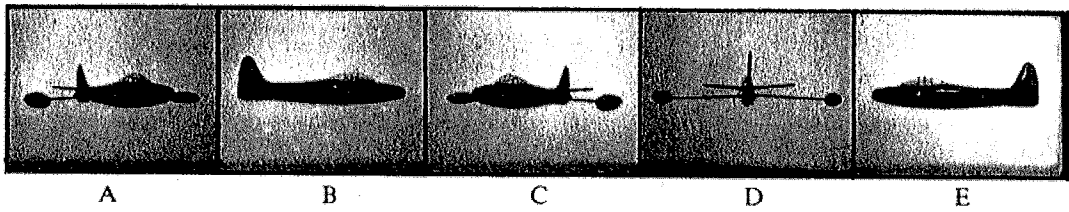
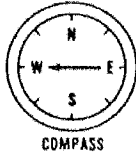
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SUBTEST 2

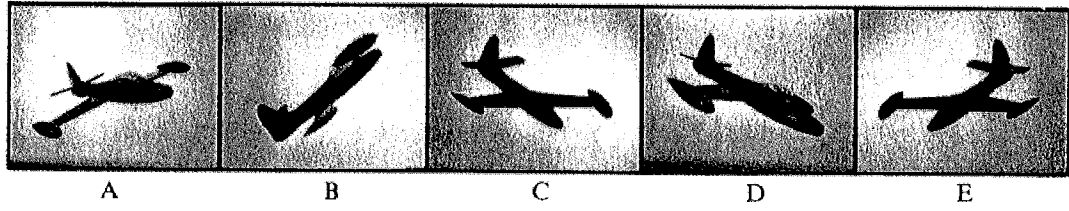
INSTRUMENT COMPREHENSION

TIME: 5 Minutes—15 Questions

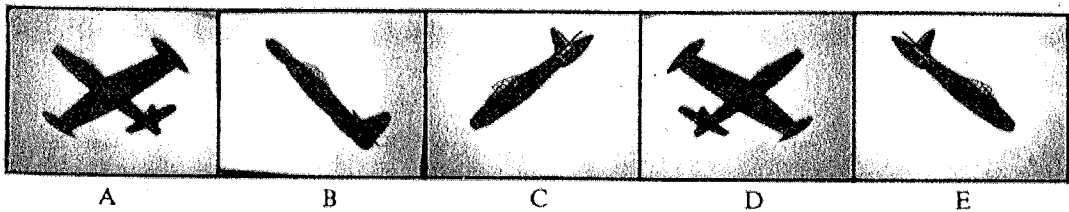
26.



27.



28.



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