

Airmen's Academic Examination

E4

Qualification	Airline Transport Pilot (Airplane) (Rotorcraft) Multi-crew Pilot (Airplane)	No. of questions; time allowed	20 questions; 40 minutes
Subject	Civil Aeronautics Law (subject code: 04)	Code	CCCC0419B0

- © Explanatory Notes: (1) In the designated spaces on the Airmen's Academic Examination Answer Sheet (Multiple-Choice Answers) (mark sheet), write your examinee number, examinee number mark, subject, subject code, subject code mark, qualification, qualification category, name, and date of birth.

If you write your examinee number, examinee number mark, subject code, and/or subject code mark incorrectly, computer grading will not be possible and you will fail the subject.

- (2) Write your answers on the Airmen's Academic Examination Answer Sheet (Multiple-Choice Answers) (mark sheet).

- © Point Allocation: All questions are worth five points each.

- © Pass Mark: The pass mark is 70 %.

- Q 1 Regarding Article 71-3 (Examination, etc. for Specific Pilot Competence) of the Civil Aeronautics Act, a pilot is approved to have the specific pilot competence for the category of aircraft which the person intends to operate and is not required to take the specific pilot competence examination by the pilot competence examiner in the following cases. Which one is incorrect?
- (1) When the person has obtained the flight instructor certificate
 - (2) When the person has obtained the pilot competence certificate
 - (3) When the person has changed the rating on the pilot competence certificate
 - (4) When the person has passed the competency assessment conducted by a Japanese air carrier based on its operation manual.
- Q 2 The following is a part of the provisions of Article 179 (Speed limitation in air traffic control zones, etc.) of the Ordinance for Enforcement of the Civil Aeronautics Act. Which one of the underlined values (1) to (4) is incorrect?
- 1 In the case of aircraft navigating in an air space prescribed under item (i) of Article 82-2 (Air traffic control zones, etc.) of the Act and concurrently in the air space at an altitude of (1) 900 meters or less, the indicated air speed listed for each of the classifications of aircraft specified below:
 - a Aircraft equipped with reciprocating engines: (2) 160 knots
 - b Aircraft equipped with turbine engines: (3) 210 knots
 - 2 In the case of aircraft navigating in an air space prescribed under item (i) of Article 82-2 (Air traffic control zones, etc.) of the Act and concurrently in the air space at an altitude exceeding (1) 900 meters, or aircraft navigating in an air space prescribed in the public notice by the Minister of Land, Infrastructure, Transport and Tourism, which adjoins to an air traffic control zone within approach control area, the indicated air speed of:
 - (4) 250 knots
- Q 3 Which of the following validity periods of aviation medical certification is correct for an airline transport pilot who operates an aircraft for air transport services to transport passengers (except when renewing the certification)?
- (1) In case the flight operation is performed by two pilots and the age of the pilot is under 60 at the day of issuance: 1 year
 - (2) In case the flight operation is performed by two pilots and the age of the pilot is 40 or over at the day of issuance: 6 months
 - (3) In case the flight operation is performed by two pilots and the age of the pilot is under 40 at the day of issuance: 2 years
 - (4) In case the flight operation is performed by two pilots and the age of the pilot is 60 or over at the day of issuance: 9 months

Q 4 How many of the following statements (a) to (d) regarding the Aviation English Proficiency Certification are correct? Choose from (1) to (4) below.

- (a) A pilot who engages in a flight conducted between a point within Japan and a point outside of Japan needs to have an Aviation English Proficiency Certification.
- (b) A pilot who engages in a flight that leaves Japan and arrives in Japan, passing over any other FIR (other than the Fukuoka FIR), always needs to have an Aviation English Proficiency Certification.
- (c) The categories of aircraft which require their pilot to hold an Aviation English Proficiency Certification are aeroplanes, rotorcraft and airships.
- (d) Aircraft which needs two persons for pilotage requiring an Aviation English Proficiency Certification can navigate if one of the two pilots has an Aviation English Proficiency Certification.

(1) 1 (2) 2 (3) 3 (4) 4

Q 5 Which of the following statements regarding the authority, etc. of the pilot-in-command is incorrect?

- (1) The pilot-in-command may, when a danger occurs or he/she deems to a danger to be likely to occur to the aircraft or passengers, order the passengers on board regarding the procedures for evacuation or other matters necessary for safety.
- (2) The pilot-in-command may restrain any person who threatens aircraft safety, irrespective of whether the person is on board or not.
- (3) The pilot-in-command shall, when an emergent danger occurs to the aircraft during flight, employ every possible means necessary for rescuing passengers and preventing injury or damage to persons or objects on the land or water.
- (4) The pilot-in-command shall direct and supervise those who perform their duties on board the aircraft.

Q 6 The following are visual meteorological conditions applicable to aircraft flying at an altitude of 3,000 m or higher. Which one is incorrect?

- (1) Flight visibility of 8,000 m or more.
- (2) No clouds within vertical distance of 150 m above the aircraft.
- (3) No clouds within vertical distance of 300 m below the aircraft.
- (4) No clouds within horizontal distance of 1,500 m from the aircraft.

Q 7 How many of the following obstacle lights (a) to (d) are indicated by flashing lights? Choose from (1) to (4) below.

- (a) High intensity obstacle lights
- (b) Medium intensity white obstacle lights
- (c) Medium intensity red obstacle lights
- (d) Low intensity obstacle lights

(1) 1 (2) 2 (3) 3 (4) 4

- Q 8 How many of the following statements (a) to (d) are correct regarding the content of Article 2 (Definition) of the Civil Aeronautics Act? Choose from (1) to (4) below.
- (a) The term "instrument meteorological condition" means bad weather conditions with a range of vision, specified by Ordinances of the Ministry of Land, Infrastructure, Transport and Tourism, taking the visibility and cloud conditions into consideration.
 - (b) The term "air traffic control area" means any airspace, 200 meters or more above the land or water, and designated for the safety of air traffic in the public notice by the Minister of Land, Infrastructure, Transport and Tourism.
 - (c) The term "international air transport services" means any air transport services operating between one point in the country and another in a foreign country, or between one point and another in foreign countries.
 - (d) The term "instrument flight" means a flight which is performed relying solely on flight instruments to measure the attitude, altitude, position, and course of the aircraft.
- (1) 1 (2) 2 (3) 3 (4) 4
- Q 9 Which of the following is not included in the matters to be confirmed by a pilot-in-command as specified in Article 164-15 (Confirmation before Departure) of the Ordinance for Enforcement of the Civil Aeronautics Act?
- (1) Maintenance status of a subject aircraft and its equipment
 - (2) Takeoff weight, landing weight, location of the center of gravity, and weight distribution
 - (3) Procedures for takeoff, climb following takeoff, landing approach and landing
 - (4) Loading quantity of fuel and lubricant, and their quality
- Q 10 Which of the following statements is incorrect as a description of Article 188 (Movement on ground) of the Ordinance for Enforcement of the Civil Aeronautics Act?
- (1) The power system shall be controlled or the breaking system shall be lightly used to maintain speed that may be quickly and safely stopped.
 - (2) The forward view shall be thoroughly observed.
 - (3) The speed shall not exceed the speed limit specified for the restricted area.
 - (4) When there is a danger of collision with aircraft or other objects, the ground guide shall be provided.
- Q 11 The following statements describe those aircraft that shall be boarded by airmen other than the pilot-in-command who can perform the pilotage of the aircraft as stipulated by Article 65 (Aircrew to be on board aircraft) of the Civil Aeronautics Act. Which one is incorrect?
- (1) Aircraft, because of its structure, which needs two persons for pilotage of aircraft
 - (2) Aircraft which needs two persons for pilotage only for the purpose of a flight according to the special methods and rules, and which engages in a flight according to the special methods and rules
 - (3) Aircraft which is used for air transport of passengers and engages in flights under instrument flight rules
 - (4) Aircraft which is used for air transport of passengers and which engages in a flight, the duration of which exceeds 3 hours

- Q 12 Which of the following statements regarding the recent flight experience of a pilot engaged in operating aircraft used for air transport services is correct?
- (1) A pilot engaged in operating aircraft used for air transport services must have experience of three takeoffs and three landings in aircraft of the same type used for air transport services, or of a similar type to the said type, within 90 days prior to the day on which the pilot is carrying out pilot duties.
 - (2) Flight crew-members carrying out instrument flight shall have instrument flight experience (including simulator flight) of 5 hours or longer within the 180 days prior to the day of the flight.
 - (3) Flight crew-members carrying out instrument flight shall have instrument flight experience (including simulator flight) of 3 hours or longer within the 90 days prior to the day of the flight.
 - (4) A pilot engaged in operating aircraft used for air transport services must have experience of one takeoff and one landing in aircraft of the same type used for air transport services, or of a similar type to the said type, within 120 days prior to the day on which the pilot is carrying out pilot duties.
- Q 13 Which of the following act is not included in Article 164-16 (Prohibition of safety impeding act) of the Ordinance for Enforcement of the Civil Aeronautics Act?
- (1) An act of operating the opening and closing device of an entrance or an emergency door without any proper reason
 - (2) An act of consuming food and drink brought on board the aircraft
 - (3) An act of activating without any proper reason a mobile telephone or any other electronic device that may hinder safety of aircraft navigation, which is set forth in a public notice issued by the Minister of Land, Infrastructure, Transport and Tourism
 - (4) An act of placing without any proper reason the baggage on an aisle or any other place, eventually blocking evacuation in an emergency
- Q 14 Which of the following events is not included in the stipulation in Article 166-4 (Reports on a case likely to cause an accident) of the Ordinance for Enforcement of the Civil Aeronautics Act?
- (1) Landing or an attempt to land on a closed runway or a runway being used by other aircraft
 - (2) Abnormal decompression inside an aircraft
 - (3) Departure behind time due to bad weather
 - (4) Case where aircraft crew became unable to perform services normally due to injury or disease
- Q 15 Article 81-2 (Special exceptions for search and rescue) of Civil Aeronautics Act specifies those articles of the law whose provisions shall not be applied to the flights conducted by aircraft specified by Ordinances of the Ministry of Land, Infrastructure, Transport and Tourism for search and rescue operations in case of aircraft accidents, maritime disasters, and other accidents. How many of the following items (a) to (d) fall under those specified in Article 81-2? Choose from (1) to (4) below.
- (a) Article 79 (Places for Landing and Takeoff)
 - (b) Article 80 (No-fly zone)
 - (c) Article 81 (Minimum Safety Altitude)
 - (d) Article 89 (Dropping of objects)

(1) 1 (2) 2 (3) 3 (4) 4

- Q 16 Which of the following statements regarding the standards for the permit for air navigation under particular flight rules of Article 83-2 of the Ordinance for Enforcement of the Civil Aeronautics Act is incorrect?
- (1) The aircraft shall have the functionality and the system which are needed for air navigation under particular flight rules.
 - (2) The aircraft crew, the aircraft maintenance personnel and the flight dispatcher shall have the knowledge and experience which are needed for air navigation under particular flight rules.
 - (3) The operation procedures shall be appropriately defined for each type of navigation under particular flight rules and aircraft types.
 - (4) Necessary measures shall be taken to secure a safe navigation of aircraft.
- Q 17 Which of the following items is not included in the items to be stated in the flight plan under the provisions of Article 203 (Flight plans, etc.) of the Ordinance for Enforcement of the Civil Aeronautics Act?
- (1) Point of departure and scheduled take off time
 - (2) Cruising altitude and route
 - (3) True airspeed at cruising altitude
 - (4) First place of landing and time required from take-off to arriving overhead the applicable place of landing
- Q 18 Which of the following items need not be stated in the Operation Manual?
- (1) Procedures for operation and inspection of aircraft
 - (2) Minimum flight altitude
 - (3) Minimum Equipment List (MEL) in the case that components, parts and emergency equipment are not in normal condition
 - (4) Maximum hours of use for equipment, etc.
- Q 19 Which of the following statements regarding domestic air carriers is incorrect?
- (1) Any domestic air carrier shall fix tariffs and charges for passenger and cargo, and notify the Minister of Land, Infrastructure, Transport and Tourism to that effect in advance.
 - (2) Any domestic air carrier shall establish a safety management manual and obtain approval from the Minister of Land, Infrastructure, Transport and Tourism.
 - (3) Any domestic air carrier shall establish conditions of carriage and obtain approval from the Minister of Land, Infrastructure, Transport and Tourism.
 - (4) Any domestic air carrier shall issue an operation manual and a maintenance manual with regard to the matters concerning the operation and maintenance of aircraft and obtain approval from the Minister of Land, Infrastructure, Transport and Tourism.
- Q 20 How many of the following events (a) to (d) fall under the stipulation in Article 221-2 (Report of Events which Affect Safety) of the Ordinance for Enforcement of the Civil Aeronautics Act? Choose from (1) to (4) below.
- (a) Any event in which any important system for safety installed in the aircraft does not function normally.
 - (b) Any event in which emergency equipment or first aid kits do not function normally.
 - (c) Any event in which an aircraft exceeds operating limitation or significantly deviates from the designated airway or altitude.
 - (d) Any event in which the structure of the aircraft is damaged.
- (1) 1 (2) 2 (3) 3 (4) 4