

# Drone Remote Pilot License Written Test

## (Examples)

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1. While engage in the drone flight activities, which risk is most likely to occur?  
(A) Cultural risks.  
(B) Health risks.  
(C) Social risk.  
(D) Trade risk.
2. Through leisure and entertainment drone flight activities, the actual flight altitude of drone shouldn't be above the ground level or sea level by how much?  
(A) 800ft.  
(B) 400ft.  
(C) 200ft.  
(D) 100ft.
3. Where can those who are considered prohibit or restrict drone flight activities by central government agency authorities request to announce their activities?  
(A) Township Office.  
(B) County government.  
(C) Local police department.  
(D) Farmers' Association.
4. The purpose of being admitted to remote pilot license is to make sure the operator is familiar with which level of aviation related knowledge, managing regulations, has certain navigating proficiency, and emergency responds?  
(A) Before and during operation.  
(B) Before and after operation.  
(C) Before operation.  
(D) After operatopn.
5. While operating drones, when should the operator examine drone navigating system according to the maintaining manual provided by the manufacturer to conduct flights after passing the safety regulations?

- (A) Before flights.
  - (B) After flights.
  - (C) During flights.
  - (D) Any times.
6. When the MTOW (Maximum Takeoff Weight) of the drone exceeding 2 kg, and the drone with GPS equipment is severely damaged or missing, how long should the owner or operator complete the Flight safety related event form to report the Civil Aeronautics Administration after the incident?
- (A) Within 6 hours.
  - (B) Within 12 hours.
  - (C) Within 24 hours.
  - (D) Within 48 hours.
7. If there's necessary test flight during design, manufacture and modification of drones. which department should you file application for test flight ?
- (A) Ministry of Health and Welfare.
  - (B) Ministry of the Interior.
  - (C) Ministry of Science and Technology.
  - (D) Civil Aeronautics Administration. °
8. Drone owner lend the drone to others to operate, the drone fell and hurt someone, Who shall be jointly liable for this accident?
- (A) Owner and Bystander.
  - (B) Owner and Designer.
  - (C) Owner and Operator.
  - (D) Owner and Manufacturer.
9. During a drone flight,the drone operator should pay attention to which of the following?
- (A) Drone's product packaging.
  - (B) The appearance of the drone.
  - (C) Drone's flight and surroundings.
  - (D) None of the above.
10. Mr. Tuan bought a drone with a MTOW(maximum take-off weight) of 950g from a shopping mall, and used it to record his son's play on holidays.Which of the following is correct?
- (A) Mr. Tuan does not need to register for the drone.
  - (B) Mr. Tuan must obtain professional remote pilot license before operating the drone.

- (C) Mr. Tuan is not allowed to conduct any drone flight around airport areas.
- (D) Mr. Tuan must take the drone to the Civil Aviation Administration for inspection.
11. Any drone that enters a certain distance from the airport or airport boundary without permission can be reported to whom by its operator or manager?
- (A) Neighborhood magistrate.
- (B) Local Police Department.
- (C) Aviation Police Bureau.
- (D) Traffic Division.
12. If government agencies (institutions), schools or legal persons wants to exempt the operational restrictions set forth in "Regulations of Drone", which department should they file application for approval?
- (A) Municipal and county (city) governments.
- (B) CAA.
- (C) Police Agency & Subordinate Branch .
- (D) Ministry of Health and Welfare.
13. Without justification, Can't operate the drone in which following place?
- (A) Private courtyard.
- (B) School classroom.
- (C) Office space.
- (D) All of the above.
14. About the drone's registration number, which of the following is correct?
- (A) It cannot be used on any unregistered drone.
- (B) It can be used for unregistered drones of other people.
- (C) It can be used on unregistered own drones.
- (D) The method of use depends on the type of drone.
15. Self-made drone with a MTOW(maximum take-off weight ) exceeding 25kg, Which of the following can apply to CAA for combined type inspection and inspection?
- (A) Manufacturer.
- (B) Operator.
- (C) Owner.
- (D) Designer.
16. Before conduct a drone flight activities, which of the following organization should apply to

CAA for approval.

(A) Government agencies (institutions).

(B) Schools.

(C) Legal persons.

(D) All of the above.

17. What kind of insurance is mandatory for a drone operator engaged in business as a legal person?

(A) Water damage insurance.

(B) Liability insurance.

(C) Earthquake insurance.

(D) Typhoon insurance.

18. A company bought a batch of drones because of business needs and just completed registration with the CAA. About the marking of registration number, which of the following is incorrect?

(A) The registration number must be clearly identifiable.

(B) The registration number can be marked by painting.

(C) The registration number must be ensured not to be lost during each flight.

(D) The removable external structure of the drone is the most suitable place to be marked with the registration number.

19. Mr. tuan is the manager and senior drone pilot of the company's drone business department.

About the processing records, maintenance records and other related records of each flight mission, which of the following should he know?

(A) Company managers can do whatever they want, because the regulations do not have clear rules to manage records.

(B) It is enough that the flight mission can be safely achieved and the machine can run normally. The record is not important, Don't take it too seriously.

(C) In order to ensure team performance, even if an anomaly occurs during the flight mission, if it is not serious, there is no need to record it.

(D) About records and the expiry date, the law has regulations. The company should keep records of each flight.

20. A film company wants to shoot a police car chase scene on the highway. In order to be more realistic, the company asked the drone team to operate the drone to make close-ups of high-speed vehicles. Which of the following is the operator should know?

(A) You should accept the mission without fear because it's a good opportunity to train your skills.

(B) You should accept the flight mission because the film company will give you a lot of

money.

- (C) You should accept the mission because most team members think it can be performed.
- (D) You should refuse the mission because the drone must be at least 30 meters away from the highway before being authorized, so the mission is obviously illegal.

21. If there are more than 2 operators in the drone flight, which of the following is correct?
- (A) Before the flight activity, one person should be appointed as the decision-maker.
  - (B) There is no need to appoint a decision-maker before the flight.
  - (C) Whether or not to appoint a decision-maker depends on the nature of the flight mission.
  - (D) None of the above.
22. What is the purpose of punishment for operators or owners who violate Regulations of Drone?
- (A) In order to maintain social order.
  - (B) In order to promote the public interest.
  - (C) In order to maintain public safety.
  - (D) All of the above.
23. When the operator abides by the specifications through leisure and entertainment drone flights, which of the following is the way to manage this risk?
- (A) Financial management.
  - (B) Self-management.
  - (C) Hygiene management.
  - (D) Health management.
24. Which of the following items is prohibited to be loaded on the drone?
- (A) Optical payload.
  - (B) Fuel or batteries required for flight.
  - (C) Dangerous articles declared by the Civil Aviation Act.
  - (D) The counterweight for adjusting the center of gravity.
25. Which of the following is the most suitable place to be marked with the registration number?
- (A) Landing gear.
  - (B) Propeller surface.
  - (C) Uncovered smooth surface on the fuselage.
  - (D) The cover of the battery.
26. If government agencies (institutions), schools or legal persons wants to conduct a drone flight activities in the areas, time and other management matters announced by the municipality,

county (city) government, which department should they file application for approval?

- (A) Municipality, county (city) government.
- (B) Ministry of Health and Welfare.
- (C) Agricultural Committee.
- (D) Ministry of Transportation and Communications.

27. About the timing of application for product information login by drone manufacturers and importers, which of the following is correct?

- (A) Before selling or importing.
- (B) When selling or importing.
- (C) After selling or importing.
- (D) All of the above.

28. If drone flies into municipal and county (city) governments restricted area, time or other management issues without authorization, it can be reported by which of the following?

- (A) municipality, county (city) government.
- (B) Township Office.
- (C) Local police department.
- (D) Ministry of Health and Welfare.

29. About the application for the professional remote pilot license, the practical test should be completed within how many days after the written test is passed? Otherwise, the Written test will be tested again.

- (A) Within 3 months.
- (B) Within 6 months.
- (C) Within 9 months.
- (D) Within 1 year.

30. A drone team was approved to test the payload performance of the drone above the airport runway. Someone suggested that higher flight altitude would get better test results. What should the operator know about this suggestion?

- (A) The activity has been approved, which means that there is no flight altitude limit, as high as you want to fly.
- (B) The flight altitude above ground Level should not exceeding 400 feet, because the flight altitude is not approved
- (C) Flight altitude is commanded by the on-site commander depending on the perform of the flight mission.
- (D) Flight altitude depends on visibility.

31. The altitude of high Clouds is about 6,000 meters or more. Which of the following are the main ones?
- (A) Cirrus.
  - (B) Cirrostratus.
  - (C) Cirrocumulus.
  - (D) All of the above.
32. When a drone flies through a frontal surface, which of the following may change dramatically?
- (A) Temperature.
  - (B) Humidity.
  - (C) Wind direction.
  - (D) All of the above.
33. When the air density increases, what is the impact on the lift of the aircraft?
- (A) Increased lift.
  - (B) Lift is reduced.
  - (C) The lift is unchanged.
  - (D) Lift sometimes increases and sometimes decreases.
34. Which of the following is common airmass classification?
- (A) According to the high or low latitude of its source.
  - (B) Depends on whether the source is mainland or ocean.
  - (C) Depending on whether the ground is cold or warm air.
  - (D) All of the above.
35. About the characteristics of advection fog, which of the following is incorrect?
- (A) It dissipated quickly after sunrise.
  - (B) The relative humidity is high.
  - (C) Not easy to dissipate.
  - (D) May occur in coastal areas.
36. What kind of weather phenomenon does the front fog often accompany?
- (A) Typhoon.
  - (B) Frontal surface.
  - (C) Thundershower.
  - (D) Tornado.

37. When the surrounding air temperature drops below the dew point, the vapor condenses into droplets and attaches to the ground or buildings, which is called?
- (A) Cloud.
  - (B) Dew.
  - (C) Fog.
  - (D) Frost.
38. In the METAR(Meteorological Terminal Aviation Routine Weather Report),which of the following is the unit used for the height of the cloud base?
- (A) Meter.
  - (B) Kilometers.
  - (C) Feet.
  - (D) Nautical mile.
39. About the impact of different pressure altitudes on the drone's take-off and landing distance, which of the following is correct?
- (A) If the load is constant, the take-off and landing distance will not be affected by changes in pressure altitude.
  - (B) The take-off and landing distance and running are affected by the pavement, slope and ground wind direction, but not by the pressure altitude.
  - (C) The pressure altitude affects the air density, which in turn affects the rate of climb, and has a direct effect on the take-off and landing distance.
  - (D) The take-off and landing glide distance is related to the power source of the drone, not the pressure altitude.
40. Which of the following weather phenomena is not directly related to the vertical movement of the atmosphere?
- (A) Thunderstorm.
  - (B) Advection fog.
  - (C) Hail.
  - (D) Downburst.
41. In the METAR(Meteorological Terminal Aviation Routine Weather Report),About prevailing visibility,What is the method and unit of its compilation?
- (A) 4 digit(meter).
  - (B) 6 digit(meter).
  - (C) 8 digit(meter).
  - (D) 10 digit(meter).

42. If the volume of gas remains constant, the density of gas decreases as the temperature increases, Then if the temperature decreases, Which of the following changes will occur in density of gas?
- (A) Increase.
  - (B) Decrease
  - (C) Constant
  - (D) Sometimes increases and sometimes decreases.
43. About the units of wind speed, which of the following is false?
- (A) m/s.
  - (B) km/h.
  - (C) kts.
  - (D) kg.
44. In the METAR(Meteorological Terminal Aviation Routine Weather Report), the prevailing weather phenomenon includes which of the following?
- (A) Wind speed.
  - (B) Visibility.
  - (C) Weather conditions and cloud family.
  - (D) All of the above.
45. When the air temperature is equal to the dew point , what situation will occur ?
- (A) Boiling point.
  - (B) Saturation point.
  - (C) Melting point.
  - (D) Evaporation point.
46. Usually landing gears are composed of which of the following?
- (A) Damping struts and wheels.
  - (B) Skin and rivets.
  - (C) Pitched truss and parallel chord truss.
  - (D) Tension element and torque element.
47. Which of the following objects are generally installed on the wing of an unmanned aircraft?
- (A) Optical Payload Device.
  - (B) Ailerons and flaps.
  - (C) Communication equipment.

(D) Navigation equipment.

48. If the AOA(angle of attack) is increased within the critical angle of attack,will have which of the following results?
- (A) Lift increases.
  - (B) Lift decrease.
  - (C) Lift is unchanged.
  - (D) None of the above.
49. If the operator moves the joystick on the drone's remote control, which of the following will drone's performance change?
- (A) Weight or center of gravity.
  - (B) Shape or color.
  - (C) Direction or speed.
  - (D) Wingspan and wing chord.
50. The drone system includes which of the following main sub-systems?
- (A) Drone's body.
  - (B) Remote control equipment.
  - (C) Communication and control signaling link.
  - (D) All of the above.
51. What are the main functions of the tail rotor of an unmanned helicopter?
- (A) To offset lift and control the head direction.
  - (B) To offset the aerodynamic drag and control the head direction.
  - (C) To offset the torque and control the head direction.
  - (D) To offset the gravity and control the head direction.
52. In addition to the ailerons, which of the following components is also related to the aircraft's rolling?
- (A) Elevator.
  - (B) Flaps.
  - (C) Rudder.
  - (D) Winglet.
53. Which of the following is included in the tail of the unmanned aircraft ?
- (A) Large tail and small tail.
  - (B) High-speed tail and low-speed tail.

- (C) Horizontal tail and vertical tail.
- (D) Rotating tail and fixed tail.

54. If the weight of the drone increases, which of the following changes will the service ceiling of the drone have?
- (A) Decrease.
  - (B) Increases.
  - (C) Constant.
  - (D) None of the above.
55. Flight decision-making is based on the accumulation of experience and judgment, focusing on which of the following?
- (A) Decision-making learning.
  - (B) Decision-making evaluation.
  - (C) Decision-making choice.
  - (D) All of the above.
56. At which of the following timings should the drone operator do a pre-flight check on the drone?
- (A) Before each flight.
  - (B) When the drone has obvious abnormalities.
  - (C) When the weather gets bad.
  - (D) When the operator feels wrong.
57. Continuous acute stress may develop into which of the following conditions?
- (A) Unscheduled hyperventilation stress.
  - (B) Unscheduled fatigue stress.
  - (C) Long-term chronic stress.
  - (D) Unscheduled alcohol stress.
58. In which of the following cases the operator do not have to perform the preflight check of the drone?
- (A) Preflight check have been performed in previous flights. If you want to perform the next flight immediately, you do not have to perform the preflight check.
  - (B) The preflight check has been done on the first flight of the day, and no preflight check is required for all flights of the day.
  - (C) Before each flight, you must do the preflight check, there is no exemption.
  - (D) Depending on the flight mission, when the mission is simple and the flight time is short, the operator feels that check is not important.

59. The drone with GPS and the MTOW(maximum takeoff weight) is more than 2kg. Because the weather and visibility become worse during the flight mission, the drone stalls and crashes in an empty area without anyone. If there are no casualties or property damage, Which of the following should the operator know about the drone crash?
- (A) There are no casualties or property damage,there is no need to notify any unit,just clean up the drones to avoid trouble for yourself.
  - (B) The operator should review the cause of the crash at the crash site, and check the condition of the wreckage,keep the scene as it is, and notify the local police station.
  - (C) As long as there's no casualties or property damages through weather and unpredictable reasons' drone crash, there is no need to do any damage control or notify any unit.
  - (D) After the incident, the owner or operator of the drone should notify the Civil Aviation Administration.
60. About acute fatigue,the impact on the operation is the confusion of timing and overfocusing of vision. Which of the following fatigue is called?
- (A) Social fatigue.
  - (B) Economic fatigue.
  - (C) Skill fatigue.
  - (D) Educational fatigue.
61. The drone with GPS and the MTOW(maximum takeoff weight) is more than 2kg.What is the flight speed limit?
- (A) 70 Nm/h.
  - (B) 87 Nm/h.
  - (C) 100 Nm/h.
  - (D) 150 Nm/h.
62. About government agencies (institutions), schools or legal persons want to perform the drone flight mission approved by the Civil Aviation Administration, which of the following is correct?
- (A) Flight permit application should be submitted to CAA after flight mission.
  - (B) Flight permit application should be submitted to CAA at the moment of flight mission.
  - (C) Flight permit application should be submitted to CAA before flight mission.
  - (D) No need to submit a flight permit application.
63. What's the weight boundary of the drone that you can control that makes the difference of General remote pilot license to Professional remote pilot license?
- (A) 1Kg.

- (B) 2Kg.
- (C) 15Kg.
- (D) 25Kg.

64. About foreigners who have obtained a drone license issued by a foreign government, they can apply for approval from the Civil Aviation Administration. Is it also applicable to nationals who have obtained a license issued by a foreign government?
- (A) Yes, Nationals does too.
  - (B) No, Nationals can't.
  - (C) Depends on the time of flight activity.
  - (D) Depending on the nature of the flight activity.
65. If government agencies (institutions), schools or legal persons want to conduct a drone flight activities in military's prohibited areas or restricted areas, or distance from the boundary of an airport or airfield, how long before the flight activities should they apply?
- (A) 30 days ago.
  - (B) 20 days ago.
  - (C) 15 days ago.
  - (D) 10 days ago.
66. If you want to conduct a drone flight in the various tiers of governments' definition of a warning area or designated area according to the "Disaster Prevention and Protection Act" during a disaster, which of the following should you comply with?
- (A) Commissioner of the Civil Aviation Administration.
  - (B) Director of local police department.
  - (C) Director of local fire department.
  - (D) Various tiers of governments' response center commander.
67. About EVLOS (Extended Visual Line Of Sight) defined in "Regulations of Drone", which of the following is wrong?
- (A) Flight activity requires beyond operator's visual line of sight.
  - (B) The visual observer must be within 300 meters of the operator.
  - (C) The operator should obtain the necessary flight information from the visual observer.
  - (D) The visual observer does not need to maintain direct visual contact with the drone.
68. When the humid air rises along the hillside, because adiabatic cooling turns into fog, this situation is called which of the following?
- (A) Upslope fog.

- (B) Radiation fog.
- (C) Evaporation fog.
- (D) Frontal fog.

69. About aviation weather forecast data, how often is the 「Terminal Aerodrome Forecasts(TAF)」 for the airport reported? ?
- (A) Every 24 hours.
  - (B) Every 12 hours.
  - (C) Every 6 hours.
  - (D) Every 2 hours.
70. Wind shear may be accompanied by which of the following phenomena?
- (A) Vertical gust.
  - (B) Foehn air.
  - (C) Cyclone airflow.
  - (D) Centrifugal airflow.
71. When the warm air passes through the cold surface, the warm air is affected by the surface to cool down, and the vapor becomes in which of the following states?
- (A) Unsaturated state.
  - (B) Half-saturated state.
  - (C) Saturation state.
  - (D) Supersaturated state.
72. Unmanned helicopters and unmanned multi-rotor aircraft can take off and land vertically, so the consideration of wind direction is more focused on which of the following?
- (A) Encountered a strong direct crosswind when taking off and landing.
  - (B) Hovering stability in flight.
  - (C) Avoid taking off and landing with downwind.
  - (D) Don't block the sight of the operator.
73. If the drone is severely frozen, which of the following conditions may occur?
- (A) Stall due to underspeed.
  - (B) Shift of center of gravity causes stall.
  - (C) Stall due to insufficient lift.
  - (D) All of the above.
74. When the drone is flying at standard atmospheric pressure, the indicated altitude (pressure

altitude) of its altimeter is 3,000 feet. What is the atmospheric pressure at this time? ?

- (A) 28.86inHg.
- (B) 27.82inHg.
- (C) 26.82inHg.
- (D) 25.84inHg.

75. About flight control and image transmission of drones, which of the following frequencies is most commonly used?
- (A) 300MHz or 500MHz.
  - (B) 500MHz or 600MHz.
  - (C) 2.4GHz or 5.8GHz.
  - (D) 100GHz or 220GHz.
76. If the engine of an unmanned helicopter rotates the main rotor counterclockwise, in which of the following directions will the unmanned helicopter's body rotate?
- (A) Clockwise.
  - (B) Counterclockwise.
  - (C) First clockwise, and then counterclockwise
  - (D) First counterclockwise, and then clockwise.
77. When operating an unmanned aircraft, if the elevator control surface is down, which of the following actions does the aircraft make relative to the "body center"?
- (A) Pitch down.
  - (B) Pitch up.
  - (C) Roll right.
  - (D) Roll left.
78. When the drone is flying at low altitude in warm weather, there are often convective airflows that cause up and down turbulent flow. Which of the following actions should the operator take to avoid turbulent flow?
- (A) Maintain a steady flight speed; climb as needed.
  - (B) Increase airspeed and rush through turbulence.
  - (C) Display excellent drone operating skill, turbulent flow isn't relevant.
  - (D) Descent flight altitude.
79. If the Unmanned aircraft has a drift down ratio is 10:1 and performing a flight mission about 2 kilometers from the airport at an altitude of 1,000 feet, the engine suddenly fails and stops at the calm wind. Which of the following actions should the operator take?

- (A) Whether there's enough height to allow drift down or not, the unmanned aircraft is too important, so the drift down must be performed immediately no matter what.
- (B) If the height of the unmanned aircraft can provide sufficient drift down distance, immediately perform drift down to return to the field.
- (C) If the height of the unmanned aircraft cannot provide sufficient drift down distance, immediately perform an off field forced landing.
- (D) Although the height of the unmanned aircraft cannot provide sufficient drift down distance, as long as the operator is confident and has strong operating ability, he can still perform drift down.

80. If a certain situation, object or activity may cause casualties, equipment damage or reduced operating efficiency, which of the following is called?

- (A) Risk.
- (B) Harm.
- (C) Disaster.
- (D) Accident.

81. Who should be responsible for reporting when a drone flight safety-related event occurs?

- (A) The owners
- (B) The operators
- (C) The owners or the operators
- (D) Relatives of the operator

82. According to "Regulations of Drone", how many kilograms of drones owned by natural persons should be registered?

- (A) More than 0.25 kg
- (B) More than 1 kg
- (C) More than 2 kg
- (D) More than 15 kg

83. If the drone is broken or lost, what is the procedure for its owner to apply for de-registration?

- (A) Apply to CAA within 15 days from the date of the fact.
- (B) Apply to CAA within 20 days from the date of the fact.
- (C) Apply to Local authorities within 15 days from the date of the fact.
- (D) Apply to Local authorities within 20 days from the date of the fact.

84. How long is the validity period of the drone registration number?

- (A) 1 year

- (B) 2 year
- (C) 3 year
- (D) 4 year

85. The regulations stipulate that when the drone with GPS equipment exceeds how many kilograms, it should have a map data software system to prevent it from entering the Prohibited, Restricted area, or distance from the boundary of an airport or airfield?
- (A) Above 0.25 kg.
  - (B) Above 1 kg.
  - (C) Above 2 kg.
  - (D) Above 15 kg.
86. How long is the validity period of the inspection certificate of drone?
- (A) 1 year
  - (B) 2 year
  - (C) 3 year
  - (D) 4 year
87. According to regulations, which of the following weight drones can be operated by a natural person with a General remote pilot license?
- (A) More than 15 kg
  - (B) More than 25 kg
  - (C) Drones under 15 kg and equipped with navigation equipment
  - (D) More than 30 kg
88. About Student remote pilot license, which of the following is wrong?
- (A) Applicants should be at least 16 years old.
  - (B) Licensee must perform the operation under the guidance of the operator with the General or Professional remote pilot license.
  - (C) There is no restriction on the type of drone operated by the licensee.
  - (D) The weight of the drone operated by the licensee shall not exceed 15 kg.
89. About Professional remote pilot license, which of the following statements is correct
- (A) There are 3 levels: elementary, intermediate, and advanced
  - (B) The holder only needs to pass the Written test.
  - (C) The holder can perform the work entrusted by the approved legal person.
  - (D) The holder does not need to undergo a physical examination.

90. Within how many days should one complete a practical test after passing written knowledge tests to apply for a professional remote pilot license
- (A) Within 3 months
  - (B) Within 6 months
  - (C) Within 9 months
  - (D) Within 1 year
91. According to regulations, when the operator is operating the drone, how much alcohol concentration in the blood must not exceed?
- (A) 0.01% °
  - (B) 0.02% °
  - (C) 0.04% °
  - (D) 0.06% °
92. For government agencies and institutions, schools and legal persons, how long should they apply for the approval before conducting drone flight activities in prohibited and restricted areas, and near airports or airfields?
- (A) 15 days before activity
  - (B) 10 days before activity
  - (C) 5 days before activity
  - (D) 3 days before activity °
93. When government agencies and institutions, schools, or legal persons engage in drone flight activities in the prohibited or restricted areas Notification by Municipal and county government, if there is a cross-county or city flight situation, which agency should they apply to?
- (A) Every municipal and county government that you fly over must apply
  - (B) The application is submitted by the Municipal and county government of the take-off location, and the application shall be approved by the county and city government that flew over
  - (C) Municipal and county government where the landing point is located
  - (D) Municipal and county government near the landing place °
94. How long should government agencies and institutions, schools and legal persons keep the registration number, activity date, activity area, flight time, flight activity purpose, operator name, maintenance or repair records, modification, etc. records of the drone?
- (A) 1 year
  - (B) 2 year
  - (C) 3 year

(D) 5 year

95. A drone team plans to use drones to drop bait into the sea. Which of the following is the most important consideration for the team?
- (A) Pay attention to the weight and center of gravity changes after the drone is loaded with bait
  - (B) Whether the power source of the drone is sufficient to support the completion of the throwing task.
  - (C) This operation should obtain the application activity permit and the relevant operation certificate should be obtained.
  - (D) Whether the angler has taken out relevant insurance and is willing to sign the task to perform affidavit.
96. A magazine commissioned a drone team to use the drone to perform a very dangerous flight mission. The person in charge assured: "If any incident occurs during the flight mission that causes death, injury or property damage, the magazine society is solely responsible. Please Complete the mission with peace of mind." Which of the following statements is not correct about the guarantee of the person in charge,
- (A) The magazine must be able to provide a written guarantee and pay a full deposit as the basis for the team's exemption.
  - (B) As long as it did not intentionally cause death, injury or property damage, neither party shall be liable for compensation.
  - (C) As long as the flight activity has been approved and the necessary protective measures have been taken, neither party shall be liable for compensation.
  - (D) The operation of the drone causes death, injury or property damage, regardless of intention or negligence, the owner and the operator should take joint responsibility for the accident. °
97. A drone team designed and manufactured a drone because it had to perform a flight mission. Although the team knew that the inspection of the drone had not been approved by CAA, it still decided to use it for the mission first, and then finish the inspection quickly after the mission was over, About the team's decision, ,which of the following statements is correct?
- (A) As long as the CAA has been notified verbally before the flight mission, and the inspection should be submitted as soon as possible after the flight mission.
  - (B) As long as the CAA is notified verbally after the flight mission and submitted for inspection as soon as possible.
  - (C) Those who have not obtained an inspection certificate from the CAA shall not engage in flying activities.
  - (D) The CAA should be informed verbally before the flight mission, and CAA will decide whether to approve the mission first, and then complete the inspection after the mission.

98. One of the drones owned by a drone team fell to the ground due to lack of power during a mission. The fuselage was severely damaged and was difficult to repair and use. about the team's disposal, which of the following statements is correct?
- (A) The drone can be discarded directly because it is damaged, but its registration number and inspection certificate should be retained.
  - (B) If you purchase a new drone, you can directly use the registration number of the damaged drone, but you cannot use its inspection certificate.
  - (C) If you purchase a new drone, you can directly use the inspection certificate of the damaged drone, but you cannot use its registration number.
  - (D) The owner should apply to CAA for de-registration within 15 days after the accident.
- Neither the registration number nor the inspection certificate shall be used for other drones.
99. A drone team has been approved by CAA to conduct aerial photography in crowds. Before a certain flight mission, the team has obtained CAA activity permits, but they have different opinions on whether they should apply to the local authorities through which the drone passes. Which of the following statements is correct?
- (A) Because the law is set by CAA, of course you only need to apply to CAA.
  - (B) After being approved by CAA, local authorities usually have no opinion, so there is no need to make another application.
  - (C) In addition to the CAA permit, the approval of the local authorities is still required, so an application is still required.
  - (D) Whether or not to apply to the local authorities depends on the degree of danger or complexity of the flight mission.
100. After the drone has passed the Type inspection, in addition to the re-inspection and registration change because of the modification, is it necessary to go through the regular inspection?
- (A) Still need to go through regular inspection.
  - (B) No need to go through regular inspections.
  - (C) If the operator thinks it is necessary, he should go through regular inspections again.
  - (D) If the owner thinks it is necessary, he should go through regular inspections again.
101. How does Regulations of Drone define the maximum range of Extended Visual Line of Sight?
- (A) An area within a radius of 900 m from operator, or below 400 ft above ground or sea surface
  - (B) An area within a radius of 600 m from operator, or below 300 ft above ground or sea surface
  - (C) An area within a radius of 500 m from operator, or below 200 ft above ground or sea surface

surface

- (D) An area within a radius of 1200 m from operator, or below 200 ft above ground or sea surface

102. Which of the following is the hardware equipment of UAS (Unmanned Aircraft Systems) in the ground control station ?
- (A) Signal transmission equipment.
  - (B) Command transmission equipment
  - (C) Information receiving and analysis equipment.
  - (D) All of the above
103. When an unmanned aircraft takes off, in addition to runway takeoff, which of the following devices can be used?
- (A) Rockets boost
  - (B) Catapults
  - (C) Manual Throwing
  - (D) All of the above
104. When an unmanned aircraft is landing, in addition to the runway landing, which of the following methods can also be used?
- (A) Use catching nets to catch
  - (B) Unhook with cable
  - (C) Use a parachute
  - (D) All of the above
105. Which of the following items does the complete flight control system include?
- (A) Sensor
  - (B) Computer
  - (C) Server
  - (D) All of the above
106. Which of the following functions can be achieved by a complete flight control system?
- (A) Stability and control.
  - (B) Task management
  - (C) Emergency control
  - (D) All of the above
107. Which of the following is the input device of the flight control system to maintain control

accuracy?

- (A) Computer
- (B) Sensor
- (C) Server
- (D) All of the above

108. Which of the following information does the navigation system provide?

- (A) position
- (B) Speed
- (C) Flying attitude
- (D) All of the above

109. Which of the following performances will drones continue to develop?

- (A) High accuracy.
- (B) High reliability.
- (C) High anti-interference.
- (D) All of the above

110. The development of drone's navigation and automatic avoidance system includes which of the following key points?

- (A) Inertial navigation.
- (B) Multi-sensor integration, GPS.
- (C) Optoelectronic system integration.
- (D) All of the above

111. Which of the following directions will the power system of the drone develop?

- (A) Small size and light weight.
- (B) Low cost.
- (C) High reliability.
- (D) All of the above

112. Which of the following can be the energy source of the drone?

- (A) Solar energy.
- (B) Hydrogen energy.
- (C) lithium battery.
- (D) All of the above

113. When flying in the air, the drone will be affected by the interaction of which of the following

forces?

- (A) Lift and thrust.
- (B) Thrust and resistance.
- (C) Resistance, gravity.
- (D) All of the above

114. Which of the following are the main data transmission modes of drone's image transmission?

- (A) High speed and broadband.
- (B) Analog and digital.
- (C) Simplex, satellite.
- (D) Duplex, satellite.

115. Which of the following directions is the communication technology of drones developing?

- (A) High speed and broadband.
- (B) Secret
- (C) Anti-interference.
- (D) All of the above

116. Which of the following components provides the thrust of the drone?

- (A) Engine.
- (B) Landing gear.
- (C) Wing.
- (D) Body.

117. Which of the following items produces the drag of the drone?

- (A) Gravity.
- (B) Center of gravity.
- Aair.
- (C) Engine.

118. Which of the following items provides the lift of the drone?

- (A) Landing gear.
- (B) Wing.
- (C) Center of gravity.
- (D) Gravity.

119. The weight of the drone is caused by which of the following?

- (A) Air.

- (B) Gravity.
- (C) Engine.
- (D) Wing.

120. Which of the following external forces are opposite to the direction of movement of the aircraft and will hinder the advancement of the aircraft?

- (A) Drag
- (B) Lift.
- (C) Gravity.
- (D) Thrust.

121. When the force exerted by an object is equal to the change in momentum each time, which of the following laws is this?

- (A) Newton's first law is also known as the "law of inertia".
- (B) Newton's second law is also called the "law of acceleration".
- (C) Newton's third law.
- (D) None of above.

122. Without the influence of external force, a stationary object will remain stationary, and a moving object will keep moving in a straight line. Which of the following laws is this?

- (A) Newton's second law is also called the "law of acceleration".
- (B) Newton's third law.
- (C) Newton's first law is also known as the "law of inertia".
- (D) None of above.

123. Which of the following laws is based on the pulling force generated by the propeller or the thrust generated by the jet engine to make the aircraft fly forward?

- (A) Newton's third law.
- (B) Newton's first law is also known as the "law of inertia".
- (C) Newton's second law is also called the "law of acceleration".
- (D) All of the above.

124. For every force, there is an equal and opposite reaction force. Which of the following laws is this?

- (A) Newton's first law is also known as the "law of inertia".
- (B) Newton's third law.
- (C) Newton's second law is also called the "law of acceleration".
- (D) None of above.

125. Unmanned multi-rotor aircraft can control the forward-reverse rotation and speed of each fixed-pitch propeller to adjust which of the following?
- (A) Drag and thrust adjustment.
  - (B) Center of gravity and drag adjustment.
  - (C) Lift and attitude adjustment.
  - (D) Lift and center of gravity adjustment.
126. The rotors of the unmanned multi-rotor aircraft rotate in different directions to counteract the reaction force, resulting in which of the following results?
- (A) Make the total torque zero.
  - (B) Make the total thrust zero.
  - (C) Make the total lift zero.
  - (D) Make the total drag zero.
127. Which of the following propellers can be used directly on unmanned multi-rotor aircraft?
- (A) Fixed pitch propeller.
  - (B) Variable pitch propeller.
  - (C) Constant-speed propeller.
  - (D) None of above.
128. The unmanned multi-rotor aircraft changes the lift of the front and rear rotors to make them unbalanced to achieve which of the following attitudes?
- (A) Vertical lift attitude.
  - (B) Pitching attitude.
  - (C) Yaw attitude.
  - (D) Rolling attitude.
129. The unmanned multi-rotor aircraft achieves which of the following attitudes by simultaneously reducing or increasing the diagonal rotor speed and lift?
- (A) Vertical lift attitude.
  - (B) Pitching attitude.
  - (C) Yaw attitude.
  - (D) Rolling attitude.
130. The unmanned multi-rotor aircraft changes the lift of the two rotors on the same side to make them unbalanced to achieve which of the following attitudes?
- (A) Vertical lift attitude

- (B) Yaw attitude.
- (C) Pitching attitude.
- (D) Rolling attitude

131. Frequency 2.4GHz is mainly used for which of the following links to control drones?

- (A) Downlink.
- (B) Uplink for control.
- (C) Encrypted link.
- (D) All of the above

132. The frequency of 5.8GHz is mainly used for which of the following links to perform image transmission or data transmission?

- (A) Downlink.
- (B) Uplink for control.
- (C) Encrypted link.
- (D) All of the above

133. If the angle of attack of the entire blade of the propeller is the same, which of the following changes will be made to the efficiency of the blade?

- (A) Becomes very good.
- (B) Constant.
- (C) Becomes very bad.
- (D) Sometimes good and sometimes bad.

134. There is no GPS and no altimeter on the aviation model. How should the operator determine where the flying altitude is at 400 feet?

- (A) Obtain the visual concept of DRONE 400 feet above the ground before flying as a reference for flying altitude.
- (B) When the drone is flying, operate another drone with an altimeter to 400 feet for reference.
- (C) Operate the DRONE to the side of the 400-foot tower as a reference for flight altitude.
- (D) Operate the DRONE to fly to the middle of two height buildings (the height we know) as a reference for the flight height. °

135. Newton's second law states which of the following relationships is between acceleration and mass of objects?

- (A) Inverse ratio
- (B) Direct ratio
- (C) The two are not related.

(D) None of above.

136. Newton's second law states which of the following relationships between acceleration and applied force?

(A) Inverse ratio

(B) Direct ratio

(C) The two are not related.

(D) None of above.

137. When preparing to install a camera or other payload on the drone, which of the following statements is correct?

(A) A little bit beyond the weight limit and center of gravity of the drone will not affect safety.

(B) Let's test the flight first, as long as it can fly, it will be fine.

(C) Even if it exceeds the center of gravity, as long as it is within the weight limit, it can still fly through superb operating skills.

(D) It does not exceed the weight limit and center of gravity of the drone.

138. Imagine an axis passing through the aircraft on the left and right sides. Which of the following axis is called?

(A) The vertical axis of the aircraft (X axis).

(B) The vertical axis of the aircraft (Z axis).

(C) The horizontal axis of the aircraft (Y axis).

(D) None of above.

139. Which of the following may be caused by an increase in the weight of an unmanned aircraft?

(A) Reduce the stall speed.

(B) Increase the stall speed.

(C) The stall speed is constant.

(D) None of above.

140. When the center of gravity of the drone moves back, which of the following situations will be more difficult to correct?

(A) The rolling angle becomes smaller.

(B) Spiral stall.

(C) The yaw angle becomes smaller.

(D) The angle of attack becomes smaller.

141. The continuity of fluid means that at the same time, which of the following items flowing into

any plane and flowing out from another plane are equal?

- (A) Fluid temperature.
- (B) Fluid pressure.
- (C) Fluid quality.
- (D) Fluid velocity.

142. How does the atmospheric pressure change for every 1,000 feet of altitude increase?

- (A) Add about 10 inches of mercury.
- (B) Add about 10 inches of mercury.
- (C) Reduce about 1 inch of mercury.
- (D) Add about 1 inch of mercury.

143. In meteorology, the direction of wind is defined as the wind direction. For example, if the wind blows from the east, call it?

- (A) West wind.
- (B) East wind.
- (C) South wind.
- (D) North wind.

144. What is the drastic change in wind speed or direction between two different points in the atmosphere?

- (A) Winnow
- (B) Wind shear
- (C) Wind regime
- (D) Head-wind

145. If the temperature of water vapor is below the freezing point, which of the following types will it transform?

- (A) Cloud.
- (B) Frost.
- (C) Dew.
- (D) Fog.

146. In the METAR(Meteorological Terminal Aviation Routine Weather Report), Which of the following definitions does cloudiness mean?

- (A) The darkness of clouds in the sky.
- (B) The height of the clouds in the sky.
- (C) Transparent sky cover.

(D) The speed of clouds moving in the sky.

147. Which of the following conditions is a condition of insufficient body tissue water?

- (A) Dehydration
- (B) Insomnia
- (C) Hypoglycemia
- (D) Oxygen want

148. Which of the following is the cause of heat stroke?

- (A) The heat in the body cannot be discharged.
- (B) Excessive drinking.
- (C) Insomnia.
- (D) Hypoglycemia.

149. Which of the following is the type of emergency landing?

- (A) Forced landing
- (B) Preventive emergency landing.
- (C) Ditching
- (D) All of the above

150. Fatigue can be divided into which of the following?

- (A) Physiological fatigue.
- (B) Psychological fatigue.
- (C) Acute and chronic fatigue.
- (D) All of the above

151. Condition awareness is the awareness and understanding of which risk elements?

- (A) Flight operations.
- (B) Operators, aircraft.
- (C) Environment and task types.
- (D) All of the above

152. Which of the following conditions may cause dehydration due to insufficient water?

- (A) Long time in high temperature, high humidity, high altitude environment.
- (B) Psychological pressure.
- (C) Drink too many stimulating drinks.
- (D) All of the above

153. The condition that the concentration of carbon dioxide in the blood is too low caused by breathing too fast is called which of the following conditions?
- (A) Hyperventilation.
  - (B) Pressure.
  - (C) Fatigue.
  - (D) Heat stroke
154. Stress can be divided into two categories of which of the following?
- (A) Acute and chronic.
  - (B) Economic and social.
  - (C) Individuality and groupness.
  - (D) Harmful and harmless.
155. Acute stress includes which of the following conditions may trigger a resistance or escape response?
- (A) Possible potential threat.
  - (B) Immediate threats (such as danger, emergency situation).
  - (C) The threat of imagination.
  - (D) Threats to the future.
156. Fatigue is a state of physical and mental exhaustion. This is due to which of the following reactions of long-term high pressure?
- (A) Intuitive reaction.
  - (B) Physical or psychological response.
  - (C) Emotional response
  - (D) Anxiety reaction
157. Before operating, which of the following self-test methods can be used by the operator to understand his physical and mental state?
- (A) IMSAFE
  - (B) Easy ABC.
  - (C) PAVE
  - (D) All of the above
158. If an unexpected emergency is encountered when operating a drone, which of the following is the operator's primary task?
- (A) Persist in continuing to perform the task.
  - (B) Suspend the task and rest appropriately.

- (C) Ensure the safety of yourself, the surrounding environment, and other personnel.
- (D) First ensure the safety of the drone.

159. If the manufacturer does not provide a pre-takeoff checklist or operate a self-made drone, which of the following actions should the drone operator take?

- (A) Omit the pre-flight inspection.
- (B) You should design your own checklist to ensure safe operation.
- (C) Contact the manufacturer to provide a pre-flight checklist while continuing the operation.
- (D) Borrow other types of drone checklists before takeoff.

160. In the flying environment, the drone operator uses the method of systematically assessing risks and dealing with pressure to achieve the most appropriate result. Which of the following methods is called?

- (A) brainstorming.
- (B) Human Factors Engineering.
- (C) Flight decision.
- (D) All of the above

## 第二章 基礎飛行原理答案

1. C	2. B	3. B	4. A	5. A
6. C	7. D	8. C	9. C	10. C
11. C	12. B	13. D	14. A	15. C
16. D	17. B	18. D	19. D	20. D
21. A	22. D	23. B	24. C	25. C
26. A	27. A	28. A	29. D	30. B
31. D	32. D	33. A	34. D	35. A
36. B	37. B	38. C	39. C	40. B
41. A	42. A	43. D	44. D	45. B
46. A	47. B	48. A	49. C	50. D
51. C	52. C	53. C	54. A	55. D
56. A	57. C	58. C	59. D	60. C
61. B	62. C	63. C	64. B	65. A
66. D	67. D	68. A	69. C	70. A
71. C	72. B	73. C	74. C	75. C
76. A	77. A	78. A	79. B	80. B
81. C	82. A	83. A	84. B	85. B
86. C	87. C	88. C	89. C	90. D
91. B	92. A	93. B	94. B	95. C
96. D	97. C	98. D	99. C	100. B
101. A	102. D	103. D	104. D	105. D
106. D	107. B	108. D	109. D	110. D
111. D	112. D	113. D	114. B	115. D
116. A	117. C	118. B	119. B	120. A
121. B	122. C	123. A	124. B	125. C
126. A	127. A	128. B	129. C	130. D
131. B	132. A	133. C	134. A	135. A
136. B	137. D	138. C	139. B	140. B
141. C	142. C	143. B	144. B	145. B
146. C	147. A	148. A	149. D	150. D
151. D	152. D	153. A	154. A	155. B
156. B	157. A	158. C	159. B	160. C