

# Exam simulation

EASA Drone Quiz - Flight performance and planning



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STUDENT NAME:

DATE AND TIME:

## 01. With a legacy drone (~900 g) without class marking:

- a) All A2 privileges apply
- b) It's banned worldwide
- c) A1 flight over people is allowed
- d) You cannot use A2 privileges; keep far from people (A3) or obtain Specific authorisation

## 02. Which of the following statements is correct?

- a) Pressure differences drive winds
- b) Earth's magnetic field
- c) Ocean salinity
- d) Moon phases

## 03. In VLOS it is important to control temperature, pressure and visibility in order to always remain in visual contact with the UAV?

- a) Moon phases
- b) Earth's magnetic field
- c) Pressure differences drive winds
- d) Ocean salinity

## 04. Which of the following statements is correct?

- a) False
- b) True, but only if no self-built UAS are used
- c) True
- d) A2

## 05. Which of the following statements is correct?

- a) Dynamically neutral
- b) Dynamically stable
- c) All answers are correct
- d) In the Operations Manual

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## 06. Which of the following statements is correct?

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- a) Ocean salinity
- b) Pressure differences drive winds
- c) Earth's magnetic field
- d) Moon phases

## 07. Battery testing should be done:

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- a) By heating to 80°C
- b) With appropriate equipment (voltage, IR, balance) — avoid abuse tests
- c) By deep discharging every time
- d) By short circuiting briefly

## 08. Which of the following statements is correct?

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- a) Moon phases
- b) Earth's magnetic field
- c) Pressure differences drive winds
- d) Ocean salinity

## 09. Remoteness from the operational scenario refers to:

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- a) Turning off the controller
- b) Flying as far as possible from home
- c) Establishing a ground risk buffer around the area of operation
- d) Climbing to max altitude

## 10. Which of the following statements is correct?

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- a) Earth's magnetic field
- b) Moon phases
- c) Pressure differences drive winds
- d) Ocean salinity

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## 11. A multicopter rotor produces:

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- a) Electricity for avionics
- b) Only lift without torque
- c) Magnetic north
- d) Thrust and torque (creating downwash)

## 12. In a fixed-wing UAV:

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- a) Lift is generated by wings in forward flight; it cannot hover without extra devices
- b) Lift comes only from rotors
- c) It hovers like a quadcopter
- d) It has no control surfaces

## 13. On a windy day in an open field with trees, where is mechanical turbulence most likely?

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- a) On the lee (downwind) side of the trees due to wake and rotor effects
- b) Only directly above the tree tops
- c) Equally on both windward and lee sides
- d) There is no significant turbulence generated by trees

## 14. The force needed to start lifting a body off the ground must be:

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- a) Less than its weight
- b) At least equal to its weight (greater to accelerate upward)
- c) Unrelated to its weight
- d) Equal only for light objects

## 15. Which of the following statements is correct?

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- a) Earth's magnetic field
- b) Ocean salinity
- c) Pressure differences drive winds
- d) Moon phases

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## 16. Which of the following statements is correct?

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- a) Fog or mist
- b) Cirrostratus
- c) Cumulonimbus
- d) Cirrocumulus

## 17. Which of the following statements is correct?

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- a) One or more cells
- b) Dynamic meteorology
- c) All other answers are correct
- d) Synoptic meteorology

## 18. Which of the following statements is correct?

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- a) Stratus, Stratocumulus, Cumulus
- b) Altostratus, Altocumulus, Nimbostratus
- c) Cumulus, Cumulonimbus, Nimbostratus
- d) Cirrus, Cirrostratus, Cirrocumulus

## 19. Which of the following statements is correct?

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- a) Lithium ions
- b) Lithium ions Lead
- c) Lithium polymer
- d) Lithium ion polymer

## 20. Which of the following statements is correct?

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- a) A1-A3
- b) No
- c) Modern UAS are not subject to electromagnetic interference
- d) Yes

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## 21. A Safety Management System (SMS) allows:

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- a) Flying higher legally
- b) Skipping checklists
- c) Structured hazard identification, risk assessment and continuous improvement
- d) Eliminating all human error

## 22. Which of the following statements is correct?

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- a) Moon phases
- b) Earth's magnetic field
- c) Ocean salinity
- d) Pressure differences drive winds

## 23. Balancing a self-built UAV involves:

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- a) Ignoring prop balance
- b) Using different motor tilts
- c) Even weight distribution/CG, matching motors/props and eliminating vibrations
- d) Painting the frame

## 24. Is the centre of gravity (CG) important for UAV stability?

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- a) Yes, CG position is critical for stability and control
- b) Only with special authorisation
- c) No, flight controller negates its effect
- d) Only for fixed-wing, not multirotors

## 25. Which of the following statements is correct?

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- a) My UAV will have the worst possible performance
- b) My UAV will have normal performance
- c) Must take a look at the weather forecast
- d) Must carry out a preliminary inspection

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## 26. Is it allowed to fly over groups/assemblies of people in Open category?

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- a) Yes, if below 50 m
- b) Yes, with C2 drones
- c) Only in rural towns
- d) No — overflight of assemblies is prohibited

## 27. An increase in air density generally implies:

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- a) More lift and propeller thrust for a given true airspeed
- b) Less engine/prop efficiency for a given true airspeed
- c) No effect on UAV performance
- d) Reduced aerodynamic drag at the same indicated airspeed

## 28. For a cloud to form, a mass of air is required:

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- a) October to February
- b) All months of the year depending on air humidity
- c) May to August
- d) Get him up so that he can be spotted

## 29. Which of the following statements is correct?

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- a) Oscillates randomly
- b) Increases
- c) Decreases with altitude ( $\sim 6.5$  °C per 1000 m)
- d) Remains constant

## 30. Battery life:

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- a) The weight of the UAV + the payload + the battery
- b) The weight of the UAV + the payload
- c) The weight of the UAV + the payload + the fully charged battery plus any other accessory
- d) The weight of the UAV

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## 31. Which of the following statements is correct?

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- a) Yes, but only if the UAV we will use is equipped with a flight terminator
- b) The overflight of (assembled) persons is in any case always prohibited
- c) False
- d) True, but only if the turbulence occurs at altitude

## 32. Which of the following statements is correct?

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- a) Yes
- b) Yes, but only with regard to autonomous
- c) Yes, but only as far as the battery is concerned
- d) No

## 33. In VLOS, the UAS must be detectable not only by the pilot, but also by:

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- a) Ignore if GPS OK
- b) Climb above obstacles
- c) Maintain VLOS; land if lost visibility
- d) Continue using sensors only

## 34. A good pre-flight checklist should include:

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- a) Camera ISO value only
- b) Aesthetic inspection
- c) Battery/prop integrity, compass/IMU status, home point, control link, weather
- d) SD card free space only

## 35. Which of the following statements is correct?

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- a) Earth's magnetic field
- b) Pressure differences drive winds
- c) Moon phases
- d) Ocean salinity

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## 36. Is the centre of gravity (CG) important for UAV stability?

---

- a) No, flight controller negates its effect
- b) Only for fixed-wing, not multirotors
- c) Only with special authorisation
- d) Yes, CG position is critical for stability and control

## 37. Which of the following statements is correct?

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- a) Earth's magnetic field
- b) Moon phases
- c) Pressure differences drive winds
- d) Ocean salinity

## 38. Before flight, should the pilot verify that no crowds are in the survey area?

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- a) Yes — avoid assemblies of people
- b) No, sensors will detect them
- c) Only if paid
- d) Only in winter

## 39. Which of the following statements is correct?

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- a) The increase in real temperature
- b) The increase in perceived temperature
- c) It depends on the type of UAV (all-wing, multicopter, etc.).
- d) No

## 40. Which of the following statements is correct?

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- a) Earth's magnetic field
- b) Pressure differences drive winds
- c) Moon phases
- d) Ocean salinity



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## 41. Which of the following statements is correct?

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- a) Terminal forecast (TAF)
- b) Routine aerodrome weather report (observation)
- c) Radar rainfall map
- d) Pilot log extract

## 42. Are wind gusts dangerous for a UAV?

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- a) Only above 500 m AGL
- b) No: flight controller cancels all gusts
- c) Only for fixed-wing, not multirotors
- d) Yes: sudden changes in wind cause instability and high loads

## 43. 'Memory effect' refers to:

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- a) ESC timing error
- b) A GPS logging feature
- c) Magnetic declination
- d) Capacity loss seen in NiCd (not typical of LiPo/Li-ion)

## 44. A 'Command Override' is best described as:

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- a) Switching flight batteries
- b) The pilot taking manual control over an automated mode (e.g., interrupting RTH)
- c) ATC cancelling your NOTAM
- d) Compass calibration

## 45. In a multicopter, the 'wing area' equivalent is:

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- a) Battery face area
- b) It has no equivalent
- c) The frame top surface
- d) The combined rotor disc area

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## 46. Which of the following statements is correct?

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- a) Only calm winds
- b) Ceiling and Visibility OK: vis  $\geq 10$  km; no significant weather/clouds below 5,000 ft
- c) Any visibility  $> 3$  km
- d) Only absence of precipitation

## 47. Which of the following statements is correct?

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- a) The possibility of losing sight of the drone is maximum
- b) Transport Aerodrome Facilities
- c) Terminal Aircraft Fault
- d) Terminal Aerodrome Forecast

## 48. Which of the following statements is correct?

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- a) 20 kt
- b) 10 kt
- c) 15 kt
- d) 25 kt

## 49. Select the standard sea level pressure closest to ISA:

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- a) 1013 hPa
- b) 1000 hPa
- c) 1026 hPa
- d) 990 hPa

## 50. Main difference between A2 and A3 (EASA Open):

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- a) A3 allows overflight of assemblies
- b) A2 allows closer to people with class C2 and training; A3 requires far from people/areas (e.g.,  $\geq 150$  m)
- c) A2 is only for indoors
- d) They are identical

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## 51. A good pre-flight checklist should include:

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- a) Battery/prop integrity, compass/IMU status, home point, control link, weather
- b) SD card free space only
- c) Aesthetic inspection
- d) Camera ISO value only

## 52. Why weigh the UAV (with payload) before operations?

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- a) To calibrate the compass
- b) To set geofencing
- c) To verify MTOM compliance and calculate CG
- d) To recharge the battery

## 53. May a UAV in the Open category carry a banner or drop objects?

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- a) Always allowed below 120 m
- b) Yes, if under 250 g
- c) No, external loads/dropping are prohibited unless specifically allowed by regulation/authorisation
- d) Yes, if at night only

## 54. Should the aircraft be reweighed after configuration changes or major repairs?

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- a) Only for fixed-wing
- b) No, weighing is one-time
- c) Only if payload exceeds 25 kg
- d) Yes, to verify MTOM and CG before returning to service

## 55. What does the abbreviation mAh stand for?

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- a) Milliampere/volt
- b) Milliampere hour (capacity unit)
- c) Milli-ampere high
- d) Mega ampere

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## 56. The minimum distance from uninvolved people is often defined by:

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- a) The 1:1 rule (horizontal distance ? height) and subcategory/class limits
- b) Camera resolution
- c) Operator age
- d) Battery size

## 57. What is the International Standard Atmosphere (ISA) sea level pressure (QNH)?

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- a) 1013.25 hPa
- b) 1009.55 hPa
- c) 1015.25 hPa
- d) 1016.25 hPa

## 58. Which of the following statements is correct?

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- a) That the total load on its structure is three times its weight
- b) That the total load on its structure is 3 times its maximum speed
- c) Withstand low temperatures well
- d) Suffer a loss of performance at low temperatures, have a high energy density and low weight

## 59. What does LiPo mean?

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- a) Light power battery
- b) Lithium polymer battery
- c) Low ion potential
- d) Limestone polymer

## 60. Which of the following statements is correct?

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- a) Climb above obstacles
- b) Continue using sensors only
- c) Maintain VLOS; land if lost visibility
- d) Ignore if GPS OK

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## 61. Before flight, the pilot should check batteries for:

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- a) State of charge, damage/swelling, cell balance and temperature
- b) SD card speed
- c) Brand sticker
- d) USB cable type

## 62. Which of the following statements is correct?

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- a) When visibility is between 1 and 5 km
- b) When horizontal visibility is less than 1 km
- c) When visibility is greater than 10 km
- d) When visibility is exactly 1 km

## 63. Where does the aircraft weight act?

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- a) At the centre of gravity (CG)
- b) At the nose
- c) At the centre of pressure
- d) At the tail

## 64. Which of the following statements is correct?

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- a) Ocean salinity
- b) Moon phases
- c) Pressure differences drive winds
- d) Earth's magnetic field

## 65. A good pre-flight checklist should include:

---

- a) Battery/prop integrity, compass/IMU status, home point, control link, weather
- b) Camera ISO value only
- c) SD card free space only
- d) Aesthetic inspection

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**66. Which of the following statements is correct?**

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- a) Earth's magnetic field
- b) Moon phases
- c) Ocean salinity
- d) Pressure differences drive winds

**67. Information on airspace structure and UAS?limited/no?UAS zones is available from:**

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- a) Official aeronautical sources/CAA UAS geoportals and NOTAMs
- b) Private chat groups only
- c) Unverified blogs
- d) Any map app

**68. Which of the following statements is correct?**

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- a) At a temperature of 15-25° C
- b) At a temperature above 30° C
- c) The ambient temperature at the time of charging is irrelevant
- d) At a temperature below 10° C

**69. TAF have a time horizon of:**

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- a) 24–30 hours
- b) 6 hours
- c) 1–2 hours
- d) 48–72 hours

**70. Is the centre of gravity (CG) important for UAV stability?**

---

- a) Only with special authorisation
- b) Only for fixed?wing, not multirotors
- c) No, flight controller negates its effect
- d) Yes, CG position is critical for stability and control

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## Response Scheme

Compare your answers with the following diagram and mark your score!

01: D	02: A	03: C	04: D
05: A	06: B	07: B	08: C
09: C	10: C	11: D	12: A
13: A	14: B	15: C	16: C
17: B	18: D	19: D	20: C
21: C	22: D	23: C	24: A
25: A	26: D	27: A	28: B
29: C	30: D	31: D	32: D
33: C	34: C	35: B	36: D
37: C	38: A	39: C	40: B
41: B	42: D	43: D	44: B
45: D	46: B	47: C	48: C
49: A	50: B	51: A	52: C
53: C	54: D	55: B	56: A
57: A	58: D	59: B	60: C
61: A	62: B	63: A	64: C
65: A	66: D	67: A	68: A
69: A	70: D		

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## Response form

Use this form to mark your answers

01: _____	02: _____	03: _____	04: _____
05: _____	06: _____	07: _____	08: _____
09: _____	10: _____	11: _____	12: _____
13: _____	14: _____	15: _____	16: _____
17: _____	18: _____	19: _____	20: _____
21: _____	22: _____	23: _____	24: _____
25: _____	26: _____	27: _____	28: _____
29: _____	30: _____	31: _____	32: _____
33: _____	34: _____	35: _____	36: _____
37: _____	38: _____	39: _____	40: _____
41: _____	42: _____	43: _____	44: _____
45: _____	46: _____	47: _____	48: _____
49: _____	50: _____	51: _____	52: _____
53: _____	54: _____	55: _____	56: _____
57: _____	58: _____	59: _____	60: _____
61: _____	62: _____	63: _____	64: _____
65: _____	66: _____	67: _____	68: _____
69: _____	70: _____		