

Simulazione di Esame

IFR Communications - ATPL - Airline Transport Pilot Licence, 70 domande in 70 minuti!



QuizVds.it

NOME ALLIEVO:

DATA & ORA:

01. To which frequency bands do the frequencies 118.000 - 136.975 MHz of the Aeronautical Mobile Service belong?

- a) Very high frequency
- b) Medium frequency
- c) Low frequency
- d) Very low frequency

02. The prime factor in determining the maximum unambiguous range of a primary radar is the:

- a) Pulse recurrence rate
- b) Height of the transmitter above the ground
- c) Size of parabolic receiver aerial
- d) Dashes and an amber light flashing

03. When asked by ATC "ARE YOU ABLE TO MAINTAIN FL80?" the correct reply contains the word:

- a) AFFIRM or NEGATIVE
- b) WILCO
- c) CLEARED
- d) ROGER

04. The advantage of mounting the tailplane on top of the vertical stabilizer (a "T-tail" configuration) is:

- a) To Have Greater Effectiveness At High Speed.
- b) To decrease fuel consumption by creating a tail heavy situation.
- c) That it does not require a de-icing system.
- d) To withdraw it from the influence of wing turbulence.

Simulazione di Esame

IFR Communications - ATPL - Airline Transport Pilot Licence, 70 domande in 70 minuti!



QuizVds.it

05. According to the JAR OPS 1, when a commercial transport passenger aircraft is equipped with a door in the flight crew compartment area, this door must include:

- a) A device preventing the flight crew from being locked in the cockpit.
- b) A locking system to prevent any unauthorized access.
- c) A sealing system which, in case of depressurisation in the compartment area allows the maintenance of the pressure in the cockpit for as long as possible.
- d) Distinctive red or yellow coloured markings indicating the access area (in case of a blocked door).

06. Repetitive flight plans (RPLs) shall not be used for flights operated regularly on the same day(s) of consecutive weeks and:

- a) On at least ten occasions or every day over a period of at least 20 consecutive days
- b) On at least ten occasions or every day over a period of at least ten consecutive days
- c) On at least 20 occasions
- d) On at least 20 days consecutively

07. A strayed aircraft is:

- a) Only that aircraft which has deviated significantly its intended track
- b) An aircraft which has deviated significantly from its intended track or which reports that it is lost
- c) An aircraft in a given area but whose identity has not been established
- d) Only that aircraft which reports that it is lost

08. Which of these statements about a gust lock system are correct or incorrect? 1) A gust lock can be used in flight to reduce the effects of turbulence. 2) There is no need for a gust lock on reversible flight controls.

- a) 1) is incorrect, 2) is incorrect.
- b) 1) Is Correct, 2) Is Correct.
- c) 1) Is Incorrect, 2) Is Correct.
- d) 1) Is Correct, 2) Is Incorrect.

09. The fuel cross-feed system:

- a) Is Only Used On The Ground For Fuel Transfer From One Tank To Another.
- b) Is only used to feed an engine from the tank of the opposite wing.
- c) Is only used in flight for fuel transfer from one tank to another.
- d) Allows feeding of any engine from any fuel tank.

Simulazione di Esame

IFR Communications - ATPL - Airline Transport Pilot Licence, 70 domande in 70 minuti!



QuizVds.it

10. On the display of a TCAS II (Traffic alert and Collision Avoidance System), a proximate traffic is represented by:

- a) A white or cyan solid lozenge.
- b) An amber solid circle.
- c) A red full square.
- d) A white or cyan empty lozenge.

11. Which statement is correct about a normal shock wave ?

- a) The airflow changes direction
- b) The airflow changes from subsonic to supersonic
- c) The airflow changes from supersonic to subsonic
- d) The airflow expands when passing the aerofoil

12. The QNH at an airfield located 200 metres above sea level is 1022 hPa. The air temperature is not available. What is the QFF?

- a) More than 1022 hPa
- b) 1022 hPa
- c) It is not possible to give a definitive answer
- d) Less than 1022 hPa

13. Fastair 345 has been instructed 'Standby 118.9 for TOWER'. What does this instruction mean?

- a) Fastair 345 shall establish radio contact with TOWER on frequency 118.9
- b) Fastair 345 shall change to frequency 118.9 on which information is being broadcast
- c) Fastair 345 shall squawk standby and then establish radio contact with TOWER on frequency 118.9
- d) Fastair shall change to frequency 118.9 and listen out, but the TOWER will initiate further communications

14. Each member state should designate an appropriate authority with its administration to be responsible for the development implementation and maintenance of a national aviation security programme. This programme should apply:

- a) Only to all international civil transport including aircraft engaged solely in the carriage of cargo
- b) To all international civil air transport including aircraft engaged solely in the carriage of cargo and yet to domestic flights at the discretion of each member state
- c) Only to passengers and aircrew in international civil transport flights and domestic flights
- d) Only to passengers and aircrew in international civil transport flights

Simulazione di Esame

IFR Communications - ATPL - Airline Transport Pilot Licence, 70 domande in 70 minuti!



QuizVds.it

15. The deviation of the magnetic compass is due to the action of:

- a) The hard iron pieces influenced by the geomagnetic field
- b) The hard iron pieces and the soft iron pieces influenced by the hard iron pieces
- c) The hard iron pieces influenced by the mild iron pieces
- d) The soft iron pieces influenced by the geomagnetic field

16. The aircraft is of Category

- a) The runway has edge lights and high intensity centre line lights. There is an accessible alternate aerodrome and the two pilot crew is IFR qualified on type. The minimum RVR / Visibility required for take-off is: 200 m
- b) 150 m
- c) 150 m if a threshold RVR is available
- d) 300 m

17. What drift is being experienced?

- a) 8° Left
- b) 12° Right
- c) 20° Left
- d) Combined azimuth and elevation transmitter, DME facility

18. Where a 'Secondary Surveillance Radar' (SSR) is not available, radar identification may be achieved by one of the following procedures:

- a) To instruct the pilot to execute one or more changes of 20° or more.
- b) To instruct the pilot to execute one or more changes of 10°.
- c) To instruct the pilot to execute one or more changes of 30° or more.
- d) To instruct the pilot to execute one or more changes of 45°.

19. Given: Distance from departure to destination 2800 NM True track 140W/V 140/100TAS 500 kt What is the distance and time of the PET from the departure point?

- a) Distance: 1400 NM Time: 168 min
- b) Distance: 1120 NM Time: 112 min
- c) Distance: 1120 NM Time: 134 min
- d) Distance: 1680 NM Time: 252 min

Simulazione di Esame

IFR Communications - ATPL - Airline Transport Pilot Licence, 70 domande in 70 minuti!



QuizVds.it

20. To maintain good situational awareness you should:(1) believe only in your own interpretation of the data(2) gather as much data as possible from every possible source before making inferences(3) question whether your hypothesis still fits the situation as events progress and try to make time to review the situation(4) consider ways of testing your situational hypothesis to see whether it is correct

- a) 2, 3 and 4 are correct
- b) 1 and 3 are correct
- c) 1 and 4 are correct
- d) All answers are correct

21. A layer of stratus is most likely to be dispersed by

- a) Absorption of solar radiation in the stratus layer
- b) Insolation resulting in the lifting of the condensation level
- c) Adiabatic cooling due to subsidence
- d) The release of latent heat due to precipitation

22. Early symptoms of hypoxia could be:1. euphoria2. decreased rate and depth of breathing3. lack of concentration4. visual disturbances

- a) 1,2 and 3 are correct
- b) 1,2,3 and 4 are correct
- c) 1,2 and 4 are correct
- d) 1,3 and 4 are correct

23. Conscious perception

- a) Relies upon the development of intuition
- b) Involves the transfer of information from the receptor to the brain only
- c) Is a mental process involving experience and expectations
- d) Relates to the correct recognition of colours

24. Given:Maximum structural take-off mass= 146 900 kg Maximum structural landing mass= 93 800 kg Maximum zero fuel mass= 86 400 kg Trip fuel= 27 500 kg Block fuel= 35 500 kg Engine starting and taxi fuel = 1 000 kg The maximum take-off mass is equal to:

- a) 113 900 kg
- b) 121 300 kg
- c) 120 300 kg
- d) 120 900 kg

Simulazione di Esame

IFR Communications - ATPL - Airline Transport Pilot Licence, 70 domande in 70 minuti!



QuizVds.it

25. Which statement about a primary control surface controlled by a servo tab, is correct?

- a) The position is undetermined during taxiing, in particular with tailwind
- b) Due to the effectiveness of the servo tab the control surface area can be smaller
- c) The control effectiveness of the primary surface is increased by servo tab deflection
- d) The servo tab can also be used as a balance tab

26. 'Flutter' may be caused by:

- a) Low airspeed aerodynamic wing stall.
- b) Roll control reversal.
- c) Distortion by bending and torsion of the structure causing increasing vibration in the resonance frequency.
- d) High airspeed aerodynamic wing stall.

27. In the Flight Management Computer (FMC) of the Flight Management System (FMS), data relating to STARs and SIDs is stored in the:

- a) Performance database
- b) Air data computer
- c) Auto flight computers
- d) Roll, pitch and yaw

28. If the take-off mass of an aeroplane is brake energy limited a higher uphill slope would:

- a) Decrease the maximum mass for take-off
- b) Increase the maximum mass for take-off
- c) Decrease the required take-off distance
- d) Have no effect on the maximum mass for take-off

29. 'Tuck under' is:

- a) The tendency to nose down when speed is increased into the transonic flight regime.
- b) The tendency to nose down when the control column is pulled back.
- c) Shaking of the control column at high Mach Number.
- d) The tendency to nose up when speed is increased into the transonic flight regime.

Simulazione di Esame

IFR Communications - ATPL - Airline Transport Pilot Licence, 70 domande in 70 minuti!



QuizVds.it

30. Which of the following combinations adversely affects take-off and initial climb performance?

- a) High temperature and high relative humidity
- b) Low temperature and low relative humidity
- c) High temperature and low relative humidity
- d) Low temperature and high relative humidity

31. In order to provide an adequate 'buffet boundary' at the commencement of the cruise a speed of 1.3 Vs is used. At a mass of 120000 kg this is a CAS of 180 KT. If the mass of the aeroplane is increased to 135000 kg the value of 1.3 Vs will be:

- a) Increased to 191 KT, drag will increase and air distance per kg of fuel will decrease.
- b) Increased to 202 KT but, since the same angle of attack is used, drag and range will remain the same.
- c) Increased to 191 KT, drag will decrease and air distance per kg of fuel will increase.
- d) Unaffected as Vs always occurs at the same angle of attack.

32. Complete the following statement regarding magnetic variation. The charted values of magnetic variation on Earth normally change annually due to:

- a) Magnetic pole movement causing numerical values at all locations to increase.
- b) A reducing field strength causing numerical values at all locations to decrease.
- c) Magnetic pole movement causing numerical values at all locations to increase or decrease
- d) An increasing field strength causing numerical values at all locations to increase.

33. On the QDR of 075° (in the vicinity of the station) with a magnetic heading of 295°, the relative bearing on the ADF indicator is:

- a) 320°
- b) 220°
- c) 040°
- d) Range within "line of sight", and maximum of 200 NM

34. The distance measured between two points on a navigation map is 42 mm (millimetres). The scale of the chart is 1:1 600 000. The actual distance between these two points is approximately:

- a) 36.30 NM
- b) 3.69 NM
- c) 67.20 NM
- d) 370.00 NM

Simulazione di Esame

IFR Communications - ATPL - Airline Transport Pilot Licence, 70 domande in 70 minuti!



QuizVds.it

35. A laser gyro can measure:

- a) A rotation motion.
- b) An acceleration and a rotation motion.
- c) An acceleration and a speed.
- d) An acceleration.

36. What does the word "NEGATIVE" mean?

- a) Proposed action granted.
- b) Permission not granted.
- c) Consider that transmission as not sent.
- d) Disregard last instruction.

37. An aeroplane has a stalling speed of 100 KT in a steady level flight. When the aeroplane is flying a level turn with a load factor of 1.5, the stalling speed is:

- a) 123 KT
- b) 150 KT
- c) 82 KT
- d) 141 KT

38. An engine fire in a large transport aircraft is indicated by a:

- a) Bell.
- b) Aural alert only.
- c) Visual warning and an aural alert.
- d) Visual Warning Only.

39. A cumulonimbus cloud in the vicinity of an aeroplane can cause certain navigation systems to give false indications. This is particularly true of the:

- a) Weather radar
- b) VOR
- c) DME
- d) Orbital plane and the Earth's axis

Simulazione di Esame

IFR Communications - ATPL - Airline Transport Pilot Licence, 70 domande in 70 minuti!



QuizVds.it

40. Windshield heating of a transport aeroplane is

- a) Not Affecting The Strength Of A Cockpit Windows.
- b) Only used when hot-air demisting is insufficient.
- c) Essential to improve the strength of the cockpit windows.
- d) Used Only At Low Altitudes Where There Is A Risk Of Ice Formation.

41. How does positive camber of an aerofoil affect static longitudinal stability?

- a) Positive effect, because the centre of pressure shifts rearward at increasing angle of attack
- b) No effect, because camber of the aerofoil produces a constant pitch down moment coefficient, independent of angle of attack
- c) Positive effect, because the lift vector rotates backward at increasing angle of attack
- d) Negative effect, because the lift vector rotates forward at increasing angle of attack

42. Which phrase shall be used if you want to say: 'Pass me the following information...':

- a) Request
- b) Say again
- c) Report
- d) Check

43. Which of the following statements concerning the variable, or directional, signal of a conventional VOR is correct?

- a) The transmitter changes the frequency of the variable signal by 30 Hz either side of the allocated frequency each time it rotates
- b) The transmitter varies the amplitude of the variable signal by 30 Hz each time it rotates
- c) The receiver adds 30 Hz to the variable signal before combining it with the reference signal
- d) The rotation of the variable signal at a rate of 30 times per second gives it the characteristics of a 30 Hz amplitude modulation

44. The aerodynamic contribution to the static longitudinal stability of the nacelles of aft fuselage mounted engines is:

- a) Zero
- b) Negative
- c) Maximum during cruise
- d) Positive

Simulazione di Esame

IFR Communications - ATPL - Airline Transport Pilot Licence, 70 domande in 70 minuti!



QuizVds.it

45. The maximum speed in horizontal flight occurs when:

- a) The maximum thrust is equal to the total drag
- b) The thrust does not increase further with increasing speed
- c) The thrust is equal to minimum drag
- d) The thrust is equal to the maximum drag

46. An aeroplane with a two wheel nose gear and four main wheels rests on the ground with a single nose wheel load of 500 kg and a single main wheel load of 6000 kg. The distance between the nose wheels and the main wheels is 10 m. How far is the centre of gravity in front of the main wheels?

- a) 40 cm
- b) 41.6 cm
- c) 4 m
- d) 25 cm

47. An aeroplane, which is scheduled to fly an oceanic sector, is due to depart from a high altitude airport in the tropics at 1400 local time. The airport has an exceptionally long runway. Which of the following is most likely to be the limiting factor(s) in determining the take - off mass ?

- a) Maximum zero fuel mass.
- b) Altitude and temperature of the departure airfield.
- c) En route obstacle clearance requirements.
- d) Maximum certificated take - off mass.

48. What does the phrase 'Read back' mean:

- a) Repeat all, or the specified part, of this message back to me exactly as received
- b) Check and confirm with originator
- c) Did you correctly receive this message?
- d) Let me know that you have received and understood this message

49. During the climb after take-off, the altimeter setting is adjusted at the transition altitude. If the local QNH is 966 hPa, what will happen to the altimeter reading during the resetting procedure?

- a) It will remain the same
- b) It will decrease
- c) It is not possible to give a definitive answer
- d) It will increase

Simulazione di Esame

IFR Communications - ATPL - Airline Transport Pilot Licence, 70 domande in 70 minuti!



QuizVds.it

50. If the crew on an arriving aircraft approaching a controlled aerodrome will report 'field in sight', a clearance for 'visual approach' may be given under certain conditions

- a) The approach must be passing the FAF
- b) Continued approach will be according to VFR
- c) The meteorological visibility must not be less than 8 km
- d) The air traffic controller will provide separation to other controlled traffic

51. You are flying a constant compass heading of 252°. Variation is 22°E, deviation is 3°W and your INS is showing a drift of 9° right. True track is ?

- a) 242°
- b) 224°
- c) 262°
- d) 280°

52. A DME station is located 1000' above MSL. An aircraft flying at FL 370 in ISA conditions which is 15 NM away from the DME station, will have a DME reading of:

- a) 14 NM
- b) 15 NM
- c) 16 NM
- d) Beyond 100 NM because insufficient antenna tilt angle is available with the mapping mode

53. The dewpoint temperature

- a) Can be reached by cooling the air whilst keeping pressure constant
- b) Can not be lower than the air temperature
- c) Can not be equal to the air temperature
- d) Can be reached by lowering the pressure whilst keeping temperature constant

54. What is a VDF referenced to?

- a) Magnetic north at the aircraft
- b) True north at the aircraft
- c) Magnetic north at the station
- d) Relative bearing to the aircraft

Simulazione di Esame

IFR Communications - ATPL - Airline Transport Pilot Licence, 70 domande in 70 minuti!



QuizVds.it

55. An aeroplane suffers an explosive decompression at an altitude of 31000 ft . What is the initial action by the operating crew ?

- a) To put on oxygen masks
- b) Place the seat belts sign to ON
- c) Transmit a MAYDAY message
- d) Disconnect the autopilot

56. For a conventional DME facility 'Beacon Saturation' will occur whenever the number of aircraft interrogations exceeds:

- a) 60
- b) 200
- c) 80
- d) The rotation of the variable signal at a rate of 30 times per second gives it the characteristics of a 30 Hz amplitude modulation

57. In the ATS flight plan, for a non-scheduled flight which of the following letters should be entered in item 8 (type of flight):

- a) N/S
- b) G
- c) N
- d) X

58. A message preceded by the phrase 'Transmitting blind due receiver failure' shall be transmitted:

- a) On the regional guard frequency
- b) On the international emergency frequency
- c) On the frequency presently in use
- d) On all available aeronautical stations

59. The centre of gravity of an aircraft

- a) Is in a fixed position and is unaffected by aircraft loading.
- b) May only be moved if permitted by the regulating authority and endorsed in the aircraft's certificate of airworthiness.
- c) Must be maintained in a fixed position by careful distribution of the load.
- d) Can be allowed to move between defined limits.

Simulazione di Esame

IFR Communications - ATPL - Airline Transport Pilot Licence, 70 domande in 70 minuti!



QuizVds.it

60. Given: Distance from departure to destination 340 NM True track 320W/V 160/40 TAS 110 kt What is the distance of the PET from the departure point?

- a) 228 NM
- b) 112 NM
- c) 219 NM
- d) 121 NM

61. An aeroplane is carrying a traffic load of 10320 kg Complete the necessary sections of the attached appendix and determine which of the answers given below represents the maximum increase in the traffic load

- a) 7000 kg
- b) 8268 kg
- c) 1830 kg
- d) 655 kg[see Annex]

62. Given: true course (TC) 017 W/V 340/30 TAS 420 kt Find: wind correction angle (WCA) and ground speed (GS)

- a) WCA +2° GS 396 kt
- b) WCA -2° GS 426 kt
- c) WCA -2° GS 396 kt
- d) WCA +2° GS 416 kt

63. A pallet having a freight platform which measures 200 cm x 250 cm has a total mass of 300 kg. The pallet is carried on two ground supports each measuring 20 cm x 200 cm. Using the loading manual for the transport aeroplane, calculate how much mass may be added to, or must be off loaded from, the pallet in order for the load intensity to match the maximum permitted distribution load intensity for lower deck forward cargo compartment.

- a) 28.5 kg must be off loaded.
- b) 28.5 kg may be added.
- c) 285.5 kg may be added.
- d) 158.3 kg must be off loaded.

64. In case of an engine failure recognized below V1:

- a) The take-off must be rejected
- b) The take-off is to be continued unless V1 is less than the balanced V1
- c) The take-off should only be rejected if a stopway is available
- d) The take-off may be continued if a clearway is available

Simulazione di Esame

IFR Communications - ATPL - Airline Transport Pilot Licence, 70 domande in 70 minuti!



QuizVds.it

65. The crew of a transport aeroplane prepares a flight using the following data:- Dry operating mass: 90 000 kg- Block fuel: 30 000 kg- Taxi fuel: 800 kg- Maximum take-off mass: 145 000 kg The traffic load available for this flight is:

- a) 55 000 kg
- b) 25 000 kg
- c) 55 800 kg
- d) 25 800 kg

66. A ground proximity warning system (GPWS), when mandatory installed on board an aircraft, must in all cases generate:

- a) At least one sound alarm to which a visual alarm can be added
- b) A visual alarm to which a sound alarm can be added
- c) A sound and visual alarm
- d) A sound alarm or a visual alarm

67. (Refer to figure 061-0 5) Complete line 2 of the FLIGHT NAVIGATION LOG, position "C" to "D". What is the HDG° (M) and ETA?

- a) HDG 188°
- b) ETA 1229 UT
- c) HDG 193°
- d) ETA 1249 U

68. Given: P_t = total pressure P_s = static pressure P_d = dynamic pressure

- a) $P_d = P_t + P_s$
- b) $P_t = P_d + P_s$
- c) $P_d = P_t / P_s$
- d) $P_s = P_t + P_d$

69. What according to ICAO Annex 10 is the range of a locator?

- a) 25 - 50 NM
- b) 50 - 100 NM
- c) 10 - 25 NM
- d) 100 - 300 NM

Simulazione di Esame

IFR Communications - ATPL - Airline Transport Pilot Licence, 70 domande in 70 minuti!



QuizVds.it

70. Assuming gross mass, altitude and airspeed remain unchanged, movement of the centre of gravity from the forward to the aft limit will cause:

- a) Increased cruise range
- b) Reduced maximum cruise range
- c) Lower optimum cruising speed
- d) Higher stall speed

Simulazione di Esame

IFR Communications - ATPL - Airline Transport Pilot Licence, 70 domande in 70 minuti!



QuizVds.it

Schema Risposte

Confronta le risposte fornite con il seguente schema e segna il tuo punteggio!

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