
Question block created by wizard

This exam contains 60 questions.

1. How must the employer inform all shop personnel about the health risks of chemicals used in maintenance?

- (a) An employer must have copies of relevant Material Safety Data Sheets.
- o (b) The shift leader gives a monthly briefing about the most critical chemicals in the shop.
- o (c) It is the responsibility of the employee to have the relevant knowledge in case of a chemical spill or injury.

If choice a is selected set score to 1.

2. What is the meaning of a triangular danger sign?

- o (a) Prohibitory or mandatory sign.
- (b) Warning sign.
- o (c) Rescue, instruction or supplementary sign.

If choice b is selected set score to 1.

3. When is it dangerous to use a Filtering Respirator?

- (a) In oxygen deficient atmospheres i.e. less than 19.5% by volume at sea level
- o (b) When there are at least 80% of airborne particles
- o (c) If there are both solid and liquid particles in the atmosphere

If choice a is selected set score to 1.

4. What is the obligation of every person after an accident or an event?

- (a) To report all accidents or events.
- o (b) To go to your workspace and wait for further instructions.
- o (c) To repair all the damage caused by this event or accident.

If choice a is selected set score to 1.

5. What is your first reaction when you see another person receiving an electric shock?

- o (a) Immediately check for heartbeat and breathing.
- (b) Immediately switch off the electrical current.
- o (c) Immediately remove the person away from the electric source.



If choice b is selected set score to 1.

6. Who is responsible for the tools used during a particular task?

Used during a particular task it is the responsibility of....

- (a) each technician to keep track of ALL of the tools.
- o (b) the companies managers to keep track of ALL of the tools.
- o (c) Tool Stores staff to keep track of ALL of the tools.

If choice a is selected set score to 1.

7. Many liquids used in workshops and in the hangar have a "fixed life". What do we mean with "fixed life"?

- o (a) All liquids must only be used for the purpose for which they are designed and may be mixed together.
- (b) Materials must be checked before use, because they can be unsafe if used beyond their expiry date.
- o (c) Liquids can only be used when the technician has labelled them with an expiry date.

If choice b is selected set score to 1.

8. What is the meaning of "Bilateral Tolerance"?

The variation of the design size....

- o (a) .. in one direction.
- o (b) .. in three dimensional view.
- (c) .. in both directions.

If choice c is selected set score to 1.

9. A standard of workmanship

- (a) is an agreed way of performing a task.
- o (b) is a support tool when performing a task.
- o (c) is determined by the technician doing the task.

If choice a is selected set score to 1.

10. Who is responsible when a technician uses a uncalibrated tool during a task?

- (a) The technician.
- o (b) The tool store.
- o (c) The company.

If choice a is selected set score to 1.

- 11.** If you can choose between an "open end wrench", a "box end wrench" and a "socket" to fasten a bolt.

What type of tooling is the best choice?

- (a) A box-end wrench.
- (b) An open end wrench.
- (c) A socket.

If choice c is selected set score to 1.

- 12.** What is tested with the Abrasive wheel ring test?

The Abrasive wheel ring test....

- (a) is used to determine if the wheel assembly does not contain any fluid.
- (b) can locate an invisible crack.
- (c) is to balance the wheel assy before use.

If choice b is selected set score to 1.

- 13.** Where is a Dial Test Indicator (DTI) used for?

- (a) For measuring the actual size of a component.
- (b) To indicate small differences in size or for indicating the amount of eccentricity.
- (c) For measuring small differences in indicating the amount of electricity.

If choice b is selected set score to 1.

- 14.** Lubricants can be stored together with?

- (a) Greases
- (b) Kerosene
- (c) Solvents

If choice a is selected set score to 1.

- 15.** With a Megaohm-metre you can measure

- (a) very low resistance.
- (b) high alternating DC resistance.
- (c) insulation resistance.

If choice c is selected set score to 1.

16. What is the maximum resistance value for class A bonding (antenna installation)?

- (a) 2.5 mΩ.
- o (b) 250 mΩ.
- o (c) 25 mΩ.

If choice a is selected set score to 1.

17. For which measuring purpose will a current clamp meter be used?

- o (a) The voltage magnitude on a feeder line.
- (b) The current magnitude in a feeder line.
- o (c) The thickness of an aircraft feeder line.

If choice b is selected set score to 1.

18. Which part of an air data tester delivers the static pressure?

- o (a) The air condition system.
- (b) A suction pump.
- o (c) A pressure pump.

If choice b is selected set score to 1.

19. What does a TDR domain reflectometer measure?

- o (a) Insulating resistance.
- o (b) Static electricity.
- (c) Reflected power and cable length.

If choice c is selected set score to 1.

20. What is a combined type of drawing?

- o (a) Parts or assemblies of essentially similar shape, but of different dimensions.
- (b) A complete assembly including all individual parts on a single drawing.
- o (c) An assembly drawing with sufficient dimensional and other information to describe the component parts of a manufacture.

If choice b is selected set score to 1.

21. In Chapter 1 of the ATA 100, details can be found of the three-element identifier number. The second element identifies sub-systems AS....

- (a) chapters.
- (b) subjects.
- (c) sections.

If choice c is selected set score to 1.

22. Which standards of technical agreements are used worldwide?

- (a) ISO
- (b) ANSI
- (c) NEN-EN

If choice a is selected set score to 1.

23. Concentricity of a shaft....

- (a) is tested with Go/No-Go gauges, internal micrometres, or callipers.
- (b) is tested by placing the shaft in Vee Blocks or between centres and rotating the shaft under a Dial Test Indicator.
- (c) is visually inspected, special test equipment is not necessary.

If choice b is selected set score to 1.

24. In standards of fits and clearances, the "hole basis" is....

- (a) the shaft always bigger than the hole.
- (b) a system of fits relating to a basic or nominal size.
- (c) the algebraic difference between a size and the corresponding basic or nominal size.

If choice b is selected set score to 1.

25. Permissible Worn Dimension....

- (a) relates to the size of the part when new, and will show the relevant tolerances.
- (b) refers to the size to which a part may wear before it must be rejected as unserviceable.
- (c) is the desired clearance in limit form. Interference fits are quoted as negative clearances.

If choice b is selected set score to 1.

26. Twist can be measured with....

- (a) a Metric Vernier Calliper.
- (b) a Dial Test Indicator.
- (c) a Strain Gauge.

If choice c is selected set score to 1.

27. Voltage drop test are measured in....

- (a) Volt (V).
- (b) milli Volt (mV).
- (c) deci Volt (dV).

If choice b is selected set score to 1.

28. When testing coaxial cables, energy reflected back to the source forms....

- (a) standing waves.
- (b) floating waves.
- (c) reflected waves.

If choice a is selected set score to 1.

29. Each wire marking contains wire bundle number....

- (a) and routing number.
- (b) wire number and gauge of the wire.
- (c) wire number and gauge of the bundle.

If choice b is selected set score to 1.

30. Tywraps may be used in areas where the temperature does not exceed...(fill in)...°C.

- (a) 100
- (b) 80
- (c) 120

If choice c is selected set score to 1.

31. How much separation is at least required between wiring cables and lines carrying fuel or oxygen?

- (a) 10 cm (4 inch).
- (b) 5 cm (2 inch).

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- (c) 15 cm (6 inch).

If choice c is selected set score to 1.

32. Why is flux used when soldering?

- o (a) It will protect the solder from oxidation while still on the roll, it will clean the surface and reduces the amount of toxic fumes.
- (b) It will clean the surface, shield the joint from oxygen and it will aid soldering.
- o (c) It will lower the temperature of soldering, to reduce the chance of overheating the components, especially on a PCB (Printed Circuit Board).

If choice b is selected set score to 1.

33. Why is eutectic solder so special in relation to other solder types.

- (a) It has a melting point instead of a melting range.
- o (b) It has better flowing properties.
- o (c) It is the only solder that has 50% tin and 50% lead.

If choice a is selected set score to 1.

34. Which formula is used to calculate the position of the CG of an empty airplane?

- (a) $CG = D - \frac{F \times L}{W}$
- o (b) $CG = W - \frac{D \times L}{F}$
- o (c) $CG = W - \frac{F \times L}{D}$

If choice a is selected set score to 1.

35. If the root chord of the wing is 112 inch and the chord of the tip is 88 inch, what is the size of the Mean Aero dynamical Chord (MAC)?

- o (a) 400 inch
- (b) 100 inch
- o (c) 200 inch

If choice b is selected set score to 1.

36. Correct aircraft taxiing procedures can be found in the....

- (a) CMM.
- (b) AMM.
- (c) SRM.

If choice b is selected set score to 1.

37. Before lowering the aircraft from the jacks ensure....

- (a) brakes are on.
- (b) brakes are off.
- (c) brake pressure is available.

If choice b is selected set score to 1.

38. Stored aircraft will have all....

- (a) inside doors and curtains fixed closed.
- (b) inside doors and curtains fixed open.
- (c) outside doors fixed open.

If choice b is selected set score to 1.

39. A grounding cable is connected to....

- (a) eliminate electrical charges.
- (b) create electrical charges.
- (c) slow down electrical charges.

If choice a is selected set score to 1.

40. What does "Holdover time" mean?

- (a) The time needed to perform de-icing of aircraft.
- (b) The period the de-icing fluid remains effective.
- (c) The period between de-icing and takeoff.

If choice b is selected set score to 1.

41. A pneumatic ground hose should be connected to the aircraft....

- (a) before being pressurized.
- o (b) after being pressurized.
- o (c) while being pressurized.

If choice a is selected set score to 1.

42. If there is ice deposit on the aircraft ...

- o (a) it has no effect on the Flight / Engine Instruments.
- o (b) there will be an increase in stalling speed.
- (c) there can be Ice debris damage.

If choice c is selected set score to 1.

43. Visual inspection is defined as the process of....

- o (a) using the eye, X-ray and ultrasonic aids.
- (b) using the eye alone or in conjunction with various aids.
- o (c) non destructive inspections.

If choice b is selected set score to 1.

44. Before corrosion removal,....

- o (a) application of temporary coating is recommended.
- (b) cleaning and stripping of the protective coating in the corroded area is mandatory.
- o (c) cleaning and stripping of the protective coating in the corroded area is not mandatory.

If choice b is selected set score to 1.

45. During which ultrasonic inspection do we use 2 transducers?

- o (a) Pulse echo inspection.
- (b) Through transmission inspection.
- o (c) Resonance inspection

If choice b is selected set score to 1.

46. A borescope inspection is an example of....

- o (a) a radiographic inspection.
- o (b) a penetrant flaw inspection.

-
- (c) a visual inspection

If choice c is selected set score to 1.

47. During removal of aircraft components blanks should be fitted....

- (a) to system connection both on the aircraft and on the component.
- o (b) to system connection on the aircraft.
- o (c) on the component.

If choice a is selected set score to 1.

48. New components to be installed will be checked against its documentation and....

- (a) EASA form 1.
- o (b) EASA form 66.
- o (c) EASA form 145.

If choice a is selected set score to 1.

49. ATA Chapters are relevant for....

- o (a) Boeing aircrafts.
- (b) all commercial aircraft.
- o (c) passenger aircrafts.

If choice b is selected set score to 1.

50. A BIT-test is a....

- o (a) before initiation test.
- (b) built-in test.
- o (c) before installation test.

If choice b is selected set score to 1.

51. The Aircraft Maintenance Manual contains information required for....

- o (a) structural repairs.
- o (b) ordering parts.
- (c) servicing.

If choice c is selected set score to 1.

52. A stand-by compass reported a deviation after a lightning strike...

- (a) requires a compass swing.
- o (b) requires replacement of the system.
- o (c) requires NDI inspection of the installation.

If choice a is selected set score to 1.

53. Lightning strike damage on metal structures is shown as....

- (a) pits, burn marks or circular holes.
- o (b) de-laminated skin plies.
- o (c) paint missing areas.

If choice a is selected set score to 1.

54. Where can lightning strike inspection procedures be found?

- o (a) The aircraft operation manual.
- (b) The aircraft maintenance manual.
- o (c) The aircraft structural repair manual.

If choice b is selected set score to 1.

55. What is the function of static dischargers?

- o (a) Protect the aircraft against lightning strikes.
- o (b) Prevent static charges to bleed.
- (c) Bleed off static charges.

If choice c is selected set score to 1.

56. Life limited parts should....

- (a) be checked for remaining life, before installing on an aircraft.
- o (b) be returned to supplier.
- o (c) not been used in aircraft.

If choice a is selected set score to 1.

57. Counterfeited or Bogus parts....

- o (a) Can be used within specific limits.
- o (b) must be returned to supplier within 72 hours.
- (c) should not be used and destroyed immediately.



If choice c is selected set score to 1.

58. What is an example of scheduled maintenance?

- (a) Inflation of the tires when needed.
- (b) Inspection of the tires before flight.
- (c) Replacement of the tires when worn.

If choice b is selected set score to 1.

59. Why do we need additional line maintenance procedures?

- (a) Line maintenance has less equipment than base maintenance.
- (b) Operators may have different approved procedures.
- (c) Line maintenance can also be released by a CAT A mechanic.

If choice b is selected set score to 1.

60. What is the purpose of a MEL?

- (a) To determine which task maybe deferred and which cannot be deferred.
- (b) To determine which maintenance is optional.
- (c) To set priorities for the planner.

If choice a is selected set score to 1.

***If assessment score is 75% to 100% Pass
If assessment score is 0% to 74% Fail***