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## 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.
  - b. The shift leader gives a monthly briefing about the most critical chemicals in the shop.
  - c. It is the responsibility of the employee to have the relevant knowledge in case of a chemical spill or injury.
  
- 2.** What is the meaning of a triangular danger sign?
  - a. Prohibitory or mandatory sign.
  - b. Warning sign.
  - c. Rescue, instruction or supplementary sign.
  
- 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
  - b. When there are at least 80% of airborne particles
  - c. If there are both solid and liquid particles in the atmosphere
  
- 4.** What is the obligation of every person after an accident or an event?
  - a. To report all accidents or events.
  - b. To go to your workspace and wait for further instructions.
  - c. To repair all the damage caused by this event or accident.
  
- 5.** What is your first reaction when you see another person receiving an electric shock?
  - a. Immediately check for heartbeat and breathing.
  - b. Immediately switch off the electrical current.
  - c. Immediately remove the person away from the electric source.
  
- 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.
  - b. the companies managers to keep track of ALL of the tools.
  - c. Tool Stores staff to keep track of ALL of the tools.

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

- 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.
- c. Liquids can only be used when the technician has labelled them with an expiry date.

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

The variation of the design size....

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

**9.** A standard of workmanship .....

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

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

- a. The technician.
- b. The tool store.
- c. The company.

**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.

**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.

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- 13.** Where is a Dial Test Indicator (DTI) used for?
- For measuring the actual size of a component.
  - To indicate small differences in size or for indicating the amount of eccentricity.
  - For measuring small differences in indicating the amount of electricity.
- 14.** Lubricants can be stored together with?
- Greases
  - Kerosene
  - Solvents
- 15.** With a Megaohm-metre you can measure ....
- very low resistance.
  - high alternating DC resistance.
  - insulation resistance.
- 16.** What is the maximum resistance value for class A bonding (antenna installation)?
- 2.5 m $\Omega$ .
  - 250 m $\Omega$ .
  - 25 m $\Omega$ .
- 17.** For which measuring purpose will a current clamp meter be used?
- The voltage magnitude on a feeder line.
  - The current magnitude in a feeder line.
  - The thickness of an aircraft feeder line.
- 18.** Which part of an air data tester delivers the static pressure?
- The air condition system.
  - A suction pump.
  - A pressure pump.
- 19.** What does a TDR domain reflectometer measure?
- Insulating resistance.
  - Static electricity.
  - Reflected power and cable length.

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**20.** What is a combined type of drawing?

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

**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.

**22.** Which standards of technical agreements are used worldwide?

- a. ISO
- b. ANSI
- c. NEN-EN

**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.

**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.

**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.

**26.** Twist can be measured with....

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

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- 27.** Voltage drop test are measured in....
- Volt (V).
  - milli Volt (mV).
  - deci Volt (dV).
- 28.** When testing coaxial cables, energy reflected back to the source forms....
- standing waves.
  - floating waves.
  - reflected waves.
- 29.** Each wire marking contains wire bundle number....
- and routing number.
  - wire number and gauge of the wire.
  - wire number and gauge of the bundle.
- 30.** Tywraps may be used in areas where the temperature does not exceed...(fill in)...°C.
- 100
  - 80
  - 120
- 31.** How much separation is at least required between wiring cables and lines carrying fuel or oxygen?
- 10 cm (4 inch).
  - 5 cm (2 inch).
  - 15 cm (6 inch).
- 32.** Why is flux used when soldering?
- It will protect the solder from oxidation while still on the roll, it will clean the surface and reduces the amount of toxic fumes.
  - It will clean the surface, shield the joint from oxygen and it will aid soldering.
  - It will lower the temperature of soldering, to reduce the chance of overheating the components, especially on a PCB (Printed Circuit Board).
- 33.** Why is eutectic solder so special in relation to other solder types.
- It has a melting point instead of a melting range.
  - It has better flowing properties.
  - It is the only solder that has 50% tin and 50% lead.

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

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

**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)?

- a. 400 inch  
b. 100 inch  
c. 200 inch

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

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

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

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

**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.

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

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

**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.

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c. The period between de-icing and takeoff.

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

- a. before being pressurized.
- b. after being pressurized.
- c. while being pressurized.

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

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

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

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

**44.** Before corrosion removal,....

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

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

- a. Pulse echo inspection.
- b. Through transmission inspection.
- c. Resonance inspection

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

- a. a radiographic inspection.
- b. a penetrant flaw inspection.
- c. a visual inspection

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

- a. to system connection both on the aircraft an on the component.
- b. to system connection on the aircraft.
- c. on the component.

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

- a. EASA form 1.
- b. EASA form 66.
- c. EASA form 145.

**49.** ATA Chapters are relevant for....

- a. Boeing aircrafts.
- b. all commercial aircraft.
- c. passenger aircrafts.

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

- a. before initiation test.
- b. built-in test.
- c. before installation test.

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

- a. structural repairs.
- b. ordering parts.
- c. servicing.

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

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

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

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

**54.** Where can lightning strike inspection procedures be found?

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

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**55.** What is the function of static dischargers?

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

**56.** Life limited parts should....

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

**57.** Counterfeited or Bogus parts....

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

**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.

**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.

**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.