

Question block created by wizard

1. Coaxial Cable testing is done with a....

- (a) Time Domain Meter.
- o (b) multi-meter.
- o (c) bonding tester.

If choice a is selected set score to 1.

2. Rigid borescopes are provided with....

- o (a) a viewing end that allows a forward view.
- (b) several versions of viewing ends, which allow a forward view, a lateral view, a forward oblique or a reverse view of the inspection area.
- o (c) a forward oblique or a reverse view of the inspection area.

If choice b is selected set score to 1.

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

If choice a is selected set score to 1.

4. A Zonal Inspection is essentially:

- o (a) a stand-alone DET directed to a specified component or assembly.
- o (b) a stand-alone GVI directed to a specified component or assembly.
- (c) a GVI of an area zone to detect obvious unsatisfactory conditions and discrepancies.

If choice c is selected set score to 1.

5. All flexible hose must be proof-tested after assembly and applying pressure to the inside of the hose assembly.

The proof test-medium....

- o (a) has to be a gas.

- (b) may be a liquid or gas.
- o (c) has to be liquid.

If choice b is selected set score to 1.

6. A counterfeit part is....

- o (a) a standard part.
- (b) an illegally produced part.
- o (c) a part of which the certificate is missing.

If choice b is selected set score to 1.

7. Mushroom head rivets are used for....

- o (a) better conductivity.
- o (b) connections in the pressurized areas, where rivet-heads are not easily accessible.
- (c) skin coverings to provide maximum strength.

If choice c is selected set score to 1.

8. Jackscrews parts are examined for wear with a....

- (a) micro-meter or a Vernier-caliper.
- o (b) torque-meter.
- o (c) borescope.

If choice a is selected set score to 1.

9. The technicians identification token

- o (a) gives the technician access to the aircraft.
- (b) is exchanged for a tool in the tool store.
- o (c) is only to identify the technician.

If choice b is selected set score to 1.

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

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

If choice c is selected set score to 1.

11. Which manual is a part of the ATA 100 specifications?

- (a) Illustrated Part Catalogue.
- o (b) Airworthiness Directive.
- o (c) Destructive Testing Manual.

If choice a is selected set score to 1.

12. What is Fusion Bonding of a composite material?

This is the process of....

- o (a) bonding two or more elements, where at least one has already been fully cured and at least one is uncured.
- (b) heating and melting of thermoplastic polymers, when these materials are thoroughly intermixed (or fused) together and after cooling becoming essentially a single part.
- o (c) curing and simultaneously bonding of two composite laminates.

If choice b is selected set score to 1.

13. Glaze ice....

- o (a) is the most severe but less dangerous form of rime ice formation on aircraft.
- (b) is the most severe and most dangerous form of ice formation on aircraft.
- o (c) is the less severe and less dangerous form of ice formation on aircraft.

If choice b is selected set score to 1.

14. What do general treatments for corrosion include?

Cleaning, stripping,....

- o (a) removal of corrosion, neutralisation of remaining residue with sodium, restoration of protection and application of coating and paint.
- (b) removal of corrosion, neutralisation of remaining residue, check for damage, restoration of protection and application of coating and paint.
- o (c) removal of corrosion with a steel brush, neutralisation of remaining residue, check for damage.

If choice b is selected set score to 1.

15. Rivet Clearance is....

- (a) the difference between the size of the hole and the rivet diameter.
- o (b) necessary when steel rivets heads are formed.
- o (c) necessary when rivet heads are formed in sheet metal with a diameter > 0,03 inch.

If choice a is selected set score to 1.

16. What is an "Interference fit" ?

- o (a) The shaft is always smaller than the hole.
- (b) The shaft is always bigger than the hole.
- o (c) The shaft and the hole have the same diameter.

If choice b is selected set score to 1.

17. When an ohmmeter is used, the circuit component to be tested must be....

- o (a) not isolated and the power source installed in the circuit.
- (b) isolated and the power source removed from the circuit.
- o (c) connected in series with the ohmmeter.

If choice b is selected set score to 1.

18. What is a standard procedure when Flared Pipe Coupling leaks after assembly?

- o (a) It is permissible to tighten the nut a full turn.
- o (b) It is permissible to tighten the nut an additional $\frac{1}{3}$ turn.
- (c) Loosening and re-tightening of a coupling will often cure a leak.

If choice c is selected set score to 1.

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

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

If choice a is selected set score to 1.

20. When using colour contrast penetrants it is recommended that area of the inspection should be illuminated to a level of at least....

- (a) 500 lux.

- (b) 50 lux.
- (c) 5000 lux.

If choice a is selected set score to 1.

21. Why can a lightning strike cause damage to composite parts on aircraft?

- (a) The electromagnetic forces of a lightning strike can increase galvanic corrosion.
- (b) The matrix or core of the composite material cannot absorb the thermal loads.
- (c) The composite parts cannot conduct the extreme electrical currents, causing burn marks.

If choice c is selected set score to 1.

22. Indication of broken strands within the core cable, or a damaged outer sheath of a Bowden cable requires replacement of the....

- (a) inner cable.
- (b) outer sheath.
- (c) complete assembly.

If choice c is selected set score to 1.

23. The applicability of data specific aircraft in the IPC is shown by....

- (a) a Numerical Index.
- (b) a due date.
- (c) an Effectivity Code.

If choice c is selected set score to 1.

24. The procedures and techniques for a visual inspection must be such that they produce....

- (a) different results from different inspectors.
- (b) the same results from different inspectors.
- (c) different results from same inspector.

If choice b is selected set score to 1.

25. If springs are overheated in high temperature areas, they can....

- (a) be used after a special inspection.
- (b) get stressed over time.
- (c) lose their mechanical compliance with specification.

If choice c is selected set score to 1.

26. Removal / installation of any electronic equipment requires that...

- (a) all external electrical power is removed from the aircraft.
- (b) applicable circuit breaker is tripped.
- (c) applicable circuit breakers are tripped and tagged.

If choice c is selected set score to 1.

27. The purpose of bearing lubrication is to prevent...

- (a) undesired friction.
- (b) contamination.
- (c) corrosion.

If choice a is selected set score to 1.

28. The basic principle of an eddy current flaw inspection is....

- (a) the use of oil-based liquid and developing powder.
- (b) an alternating magnetic field in a conductive material.
- (c) visible light

If choice b is selected set score to 1.

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

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

If choice b is selected set score to 1.

30. To make a measurement with a Voltmeter, the Voltmeter is connected....

- (a) by breaking into the circuit.
- (b) across a component.
- (c) in series with a component.

If choice b is selected set score to 1.

31. What is mentioned in the MEL (minimum equipment list)?

- (a) The minimum equipment installed on the aircraft for the type certificate.
- (b) The list of equipment in serviceable condition to make the aircraft airworthy.
- (c) The minimum time the equipment must be serviceable for warranty.

If choice b is selected set score to 1.

32. Backlash can be measured in a gear train by....

- (a) unlocking both ends of the train and then measuring the limits of movement in the center of the gear train.
- (b) locking one end of the train and then measuring the limits of movement at the other end of the gear train.
- (c) locking both ends of the train, and then measuring the limits of movement in the center of the gear train.

If choice b is selected set score to 1.

33. Checking elongation of a chain, the whole run should be replaced if the extension is in excess of...(fill in)...on any section of the chain.

- (a) 8%
- (b) 2%
- (c) 5%

If choice b is selected set score to 1.

34. What does "effectivity" mean?

Effectivity is used....

- (a) to identify the aircraft subtype data.
- (b) to define the effects of the critical aircraft systems.
- (c) for operating an aircraft in the most efficient way.

If choice a is selected set score to 1.

35. Flexible hose slack or bend in the line should be from...(fill in)... percent of its total length to provide for changes in length that will occur when pressure is applied.

- (a) 3 to 5
- (b) 10 to 15

- (c) 5 to 8

If choice c is selected set score to 1.

36. On large aircraft, to disconnect the external electrical power supply correct,....

- (a) switch off the external power at source and remove the external power plug.
- o (b) remove the external power plug.
- o (c) remove the external power plug, switch off the aircraft ac system and switch off the source.

If choice a is selected set score to 1.

37. Multiple Element Damage (MED) is a source of widespread fatigue damage characterized by the simultaneous presence of....

- o (a) fatigue cracks in same structural element.
- o (b) corrosion in similar adjacent structural elements.
- (c) fatigue cracks in similar adjacent structural elements.

If choice c is selected set score to 1.

38. 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.

39. What is Solid Riveting Procedure (Reaction)?

- o (a) When the pre-formed head of the rivet receives the blows via a dolly.
- o (b) When the shank of the rivet receives blows via a snap.
- (c) When the pre-formed head of the rivet receives the blows via a snap.

If choice c is selected set score to 1.

40. Inadequate or contaminated lubricants used on bearings will cause....

- o (a) stiffness.
- o (b) rapid wear.
- (c) rapid wear, overheating and stiffness.

If choice c is selected set score to 1.

41. After replacement of a computer, the computer has to be tested.

How do you call this test?

- (a) A bonding test.
- (b) A capacity test.
- (c) A functional test.

If choice c is selected set score to 1.

42. Which inspection technique can be used on a sandwich composite panel to detect damages?

- (a) Magnaflux
- (b) Dye Penetrant
- (c) Ultrasonic

If choice c is selected set score to 1.

43. When operating a hydraulic crimping tool,....

- (a) it is not necessary to check the connection via a tension test.
- (b) you should check that you never exceed the maximum pressure.
- (c) the pump has to be operated several times before the crimping operation is completed.

If choice c is selected set score to 1.

44. Aircraft de-icing will be performed....

- (a) as close as possible to take-off time.
- (b) one time per day, in winter time.
- (c) before the preflight inspection.

If choice a is selected set score to 1.

45. The walk around inspection may be accomplished by....

- (a) maintenance crew only.
- (b) flight or maintenance crew.
- (c) flight crew only.

If choice b is selected set score to 1.

46. A Vernier calliper can be used to measure....

- (a) inside dimensions.

- (b) both inside and outside dimensions.
- o (c) outside dimensions.

If choice b is selected set score to 1.

47. If the extension of chains is more than 2%, the chain must be....

- o (a) partially replaced.
- o (b) repaired.
- (c) replaced.

If choice c is selected set score to 1.

48. Before corrosion removal,....

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

If choice c is selected set score to 1.

49. Why is weight and balance so important in aviation?

- o (a) To get more fuel in the aircraft so it will have more range.
- (b) To ensure safe flight handling.
- o (c) To make sure an aircraft is loaded as efficient as possible, which will result in more passengers and luggage in one aircraft which will be better for the environment.

If choice b is selected set score to 1.

50. Bilateral tolerance is a way to express tolerance by using....

- o (a) only plus variation for a given size.
- (b) both minus and plus variation for a given size.
- o (c) only minus variation for a given size.

If choice b is selected set score to 1.

51. Signs of etching in a bearing can be caused by....

- o (a) hard particles rolling through the bearing.
- o (b) improper fit.

- (c) water or condensation.

If choice c is selected set score to 1.

52. The length of a rivet to be used, is the combined thickness of the sheets being joined....

- o (a) × the rivet allowance.
- (b) + the rivet allowance.
- o (c) - the rivet allowance.

If choice b is selected set score to 1.

53. "Wing- and tail walkers" are monitoring....

- o (a) clearance before taxiing.
- o (b) wing and tail during jacking.
- (c) clearance during aircraft towing.

If choice c is selected set score to 1.

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

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

If choice c is selected set score to 1.

55. In general fault finding methods are divided into the following techniques:

- o (a) Visual technique and functional structure technique.
- (b) Probability technique, visual technique and functional structure technique.
- o (c) Functional structure technique and probability.

If choice b is selected set score to 1.

56. What is the purpose of a MEL?

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

If choice b is selected set score to 1.

57. 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.

58. Which voltage magnitude is generated by a megger insulation tester during test?

- (a) 500 V or more.
- (b) 50 V.
- (c) 5 V.

If choice a is selected set score to 1.

59. A major modification has to be approved by....

- (a) Aircraft mechanic
- (b) Aircraft operator
- (c) EASA

If choice c is selected set score to 1.

60. Faulty Riveting can be prevented by....

- (a) making a 'dummy run'.
- (b) using different types of rivets.
- (c) using the correct System Schematic.

If choice a is selected set score to 1.

61. Modifications and repairs, not in the instructions, must be....

- (a) guaranteed by the TC-holder.
- (b) approved before implemented.
- (c) defined in an AD.

If choice b is selected set score to 1.

62. After a heavy landing, primary damage would normally be concentrated....

- (a) on the upper and lower fuselage skin.
- (b) around the landing gear, its supporting structure in the wings or fuselage, the wing and tailplane attachments and the engine mountings.
- (c) on the wing skin and structure.

If choice b is selected set score to 1.

63. Stored aircraft will have all....

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

If choice a is selected set score to 1.

64. Ice deposit on an aircraft will....

- (a) increase lift and increase drag.
- (b) decrease lift and increase drag.
- (c) decrease lift and decrease drag.

If choice b is selected set score to 1.

65. AL 7075 is the strongest aluminium alloy, why do we have to be careful during handling?

- (a) Because it's very dirty and sharp, so you have to wear gloves.
- (b) Because it has a very high cracking sensitivity.
- (c) Because when the material is touched with hands, the material will corrode quicker.

If choice b is selected set score to 1.

66. 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.

If choice a is selected set score to 1.

67. Small aircrafts can be moved by....

- (a) using a tow bar and push / pull only at point specified by the manufacturer.
- o (b) pushing the propeller at the tip.
- o (c) pulling the propeller at the tip.

If choice a is selected set score to 1.

68. When we defer maintenance tasks it means....

- o (a) the aircraft cannot be repaired at a remote location.
- (b) we postpone maintenance with approval provided the aircraft remains in an airworthy condition.
- o (c) we change hard time maintenance into soft time maintenance with approval.

If choice b is selected set score to 1.

69. Bearings will only be removed....

- o (a) with general purpose tools.
- (b) I.A.W. manufactures manual.
- o (c) with a hammer.

If choice b is selected set score to 1.

70. Each wire marking contains wire bundle number....

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

If choice c is selected set score to 1.

71. Lubricants can be stored together with?

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

If choice a is selected set score to 1.

72. What must a mechanic do before using a grease gun?

Ensure that the gun is....

- (a) refilled with the correct type of grease.
- o (b) refilled with the correct type of oil.
- o (c) not damaged and is filled with grease, regardless what type.

If choice a is selected set score to 1.

73. Corroded or damaged, highly stressed members must be....

- o (a) repaired by insertion.
- (b) replaced.
- o (c) repaired by patching.

If choice b is selected set score to 1.

74. Any crack or deformity in a flare is....

- o (a) acceptable if there is no static leak.
- (b) unacceptable and is cause for rejection.
- o (c) acceptable if there is no dynamic leak.

If choice b is selected set score to 1.

75. During a feel test of a bearing, the bearing must be....

- o (a) spun in unlubricated condition.
- (b) turned at low speed only in a lubricated condition.
- o (c) spun at high speed.

If choice b is selected set score to 1.

76. 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?

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

If choice b is selected set score to 1.

77. How is long term scheduled maintenance also called?

- (a) Base maintenance.
- o (b) Unscheduled maintenance.
- o (c) Line maintenance.

If choice a is selected set score to 1.

78. A duplicate inspection of a vital point or control system is defined as an inspection which....

- o (a) which can be performed using two different techniques.
- (b) is performed by two different certified technicians.
- o (c) must be performed using two different techniques.

If choice b is selected set score to 1.

79. How should flammable materials be stored?

Flammable material must be stored....

- o (a) near the aircraft because all fire extinguishers are also near the aircraft.
- (b) outdoors.
- o (c) indoors.

If choice b is selected set score to 1.

80. The Air Transport Association of America (ATA) established a standard for the presentation (and structure) of manuals created by Aircraft Manufacturers.

Which specification describes the text above?

- (a) ATA Specification No. 100 (or ATA-100)
- o (b) ATA Specification No. 300 (or ATA-300)
- o (c) ATA Specification No. 106 (or ATA-106)

If choice a is selected set score to 1.

81. Soft metal dust in and around the bearing indicates....

- o (a) overheating.
- (b) worn cage.

- (c) creep.

If choice b is selected set score to 1.

82. Which of the following methods is a destructive testing method?

- (a) Wedge test.
- (b) Tap test.
- (c) Adhesive bond test.

If choice a is selected set score to 1.

83. A borescope is basically....

- (a) an ultrasonic instrument.
- (b) an optical instrument
- (c) an electronic instrument

If choice b is selected set score to 1.

84. The gear tooth heel is located at

- (a) the largest diameter of the gear.
- (b) the smallest diameter of the gear.
- (c) the average of the largest and the smallest diameter of the gear.

If choice a is selected set score to 1.

85. In a teleflex cable system, all box units should be....

- (a) packed with recommended oil.
- (b) free of grease.
- (c) packed with recommended grease.

If choice c is selected set score to 1.

86. Where is an adapter kit, as part of an Air Data test set used for?

- (a) Connecting the Air Data tester to various sizes of air data sensors.
- (b) Preventing the aircraft systems from damage, caused by rapid pressure changes.
- (c) Connecting the Air Data tester to a pressure pump.

If choice a is selected set score to 1.

87. Soldering the control cable ends to prevent fraying....

- (a) increases the tendency of the cable to pull out the terminal.
- o (b) increases the tendency of the cable to pull into the terminal.
- o (c) decreases the tendency of the cable to pull out of the terminal.

If choice a is selected set score to 1.

88. Standard Flared Pipe couplings....

- o (a) are always interchangeable.
- o (b) fit on all types of flare sizes.
- (c) are available in different flare sizes.

If choice c is selected set score to 1.

89. What is microfilm?

- (a) A publication is being reproduced on a roll of film and contained in a special cartridge case. A microfilm 'Reader' (a projector) is used, to wind the film through a 'gate' and display a single page of text drawing upon a sheet.
- o (b) These are pictures take every 2 seconds and put in a sequence as a movie.
- o (c) A short instruction movie where images are reduced in size and printed on a photographic film. In the 1980s often maintenance documentation was distributed on Microfilm reels (or Roll).

If choice a is selected set score to 1.

90. The purpose of bearings is to reduce

- o (a) noise.
- (b) friction.
- o (c) temperature.

If choice b is selected set score to 1.

91. 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.

92. Turnbuckles are locked by

- (a) clips or locking wire.
- o (b) a set of locknuts.
- o (c) clips and locking wire.

If choice a is selected set score to 1.

93. Discoloured elements and raceways are an indication for....

- (a) overheating.
- o (b) worn races.
- o (c) worn cage.

If choice a is selected set score to 1.

94. A lightning strike inspection is....

- o (a) not mandatory after a reported lightning strike.
- o (b) only performed by the flight crew.
- (c) performed after consultation of the maintenance manual.

If choice c is selected set score to 1.

95. After an aircraft was hit by lightning strike, what should be examined?

- (a) All of the aircraft must be fully examined to find the areas of the lightning strike entrance and exit points.
- o (b) All leading edges must be fully examined.
- o (c) All trailing edges and static dischargers must be fully examined.

If choice a is selected set score to 1.

96. 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.

97. If the impedance of the coax does not match the load impedance....

- (a) not all the energy fed down the line flows into the load.

- (b) not all the energy fed down the line flows back to the load.
- (c) all the energy fed down the line flows into the load.

If choice a is selected set score to 1.

98. When connecting pipes, pipes....

- (a) can only be connected to secondary structures.
- (b) may be installed lightly under tension.
- (c) should never be forced into position.

If choice c is selected set score to 1.

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

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

If choice c is selected set score to 1.

100. Why are emergency showers or eyewash stations important?

- (a) To clean critical emergency equipment.
- (b) To provide on the- spot decontamination and flush away hazardous substances that can cause injury.
- (c) To clean contaminated clothing before entering a critical environment.

If choice b is selected set score to 1.

101. The allowance for rivet heads (snap head) is× the diameter rivet shank.

- (a) 1.0
- (b) 1.5
- (c) 0.5

If choice b is selected set score to 1.

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

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

If choice a is selected set score to 1.

103. 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) 200 inch
- (c) 100 inch

If choice c is selected set score to 1.

104. Prussian blue is used to leave an imprint on....

- (a) gear teeth.
- (b) chains.
- (c) belts.

If choice a is selected set score to 1.

105. If a hole is to be reamed, it must be drilled....

- (a) at its nominal size.
- (b) slightly smaller than its nominal size.
- (c) slightly bigger than its nominal size.

If choice b is selected set score to 1.

106. Which two major ways for testing avionics are available?

- (a) Build-in test and external test.
- (b) Hydraulic and electrical test.
- (c) Remote control and manual test.

If choice a is selected set score to 1.

107. Inspection by use of a borescope is essentially....

- (a) a visual inspection.
- (b) a penetrant inspection.
- (c) an eddy current inspection.

If choice a is selected set score to 1.

108. What substance or agent can cause cancer in humans or animals?

- (a) Carcinogen
- o (b) Teratogen
- o (c) Mutagen

If choice a is selected set score to 1.

109. 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.

110. Signs on a bearing of pitting and grooving is caused by....

- (a) hard particles rolling through the bearing.
- o (b) normal wear.
- o (c) water or moisture.

If choice a is selected set score to 1.

111. What kind of substance is Teratogen?

- (a) A substance or agent to which exposure of a pregnant female can result in malformations (birth defects) to the skeleton and or soft tissue of the foetus.
- o (b) An adverse effect on a human or animal body resulting from repeated low level exposure, with symptoms that develop slowly over a long period of time or that recur frequently.
- o (c) A substance or agent capable of altering the genetic material in a living organism.

If choice a is selected set score to 1.

112. What is the meaning of "Hirf"?

- o (a) High intensity radiation frequency.
- o (b) High intensity radio frequency.
- (c) High intensity radiated fields.

If choice c is selected set score to 1.

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

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

If choice b is selected set score to 1.

114. The type of repairs that may be carried out are laid down by the manufacturer of an aircraft in their approved....

- (a) Structural Repair Manual (SRM).
- (b) Component Repair Manual (CRM).
- (c) Aircraft Maintenance Manual (AMM).

If choice a is selected set score to 1.

115. One of the avionics test concepts is a Build In Test (BIT).

An interruptive or initiated BIT is used....

- (a) when the system (which is tested) is inoperative or switched off.
- (b) when the aircraft is in flight.
- (c) when the aircraft is on the ground.

If choice c is selected set score to 1.

116. Permissible Worn Dimension....

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

If choice c is selected set score to 1.

117. Before refuelling, aircraft and refuelling truck are connected to....

- (a) the steel structure of a building.
- (b) different grounding points.
- (c) the same grounding point.

If choice c is selected set score to 1.

118. What answer gives an example of a sectional view?

- (a) A complete section.
- o (b) An invisible section.
- o (c) A shadow view.

If choice a is selected set score to 1.

119. An overhauled engine must be delivered with....

- o (a) Certificate of Conformance (CoC)
- (b) EASA form 1
- o (c) Declaration of uniformity

If choice b is selected set score to 1.

120. Un-bonded clamps should be used only for securing.....:

- (a) wiring.
- o (b) metal hydraulic, fuel or oil lines in place.
- o (c) flexible hoses in place.

If choice a is selected set score to 1.

121. Why do we need to de-burr aluminium metal sheet?

- (a) To make smooth finished edges, to prevent cracking during processing sheet metal.
- o (b) To create straight edges on the sheet metal.
- o (c) To prevent that you cannot cut yourself on the sharp edges.

If choice a is selected set score to 1.

122. Does the aircraft need to be level when weighing?

- (a) An aircraft does not need to be level when the aircraft is fitted with load transducers and an attitude sensor.
- o (b) An aircraft does not need to be level when electronic scales and an attitude sensor is used.
- o (c) With all weighing methods.

If choice a is selected set score to 1.

123. The smallest allowable rivet pitch is...(fill in)...rivet diameters.

- (a) 2
- (b) 5
- (c) 3

If choice c is selected set score to 1.

124. The transfer of high-pressure gases from a large storage bottle to the aircraft component is often called decanting. Why must this be done at a very slow rate?

If the gas is decanted rapidly the temperature of the receiving component will....

- (a) stay stable in accordance with the gas laws.
- (b) decrease in accordance with the gas laws.
- (c) increase in accordance with the gas laws.

If choice c is selected set score to 1.

125. How do you call the task to repair a defect?

- (a) Hard time maintenance.
- (b) Scheduled maintenance.
- (c) Unscheduled maintenance.

If choice c is selected set score to 1.

126. Which standards of technical agreements are used worldwide?

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

If choice c is selected set score to 1.

127. Scratches or nicks not deeper than 10 percent of the wall thickness in aluminium alloy tubing, which are not in the heel of a bend....

- (a) may not be repaired.
- (b) require tube replacement.
- (c) may be repaired.

If choice c is selected set score to 1.

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

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

If choice b is selected set score to 1.

129. Shaft basis is....

- (a) the algebraic difference between a size and the corresponding basic or nominal shaft size.
- (b) the difference between the upper and lower limit.
- (c) a system of fits relating to a basic or nominal shaft size.

If choice c is selected set score to 1.

130. During the removal of electrical aircraft components?

Blanks should be fitted....



- (a) to system connections on the aircraft.
- (b) on the component.
- (c) to system connections, both to the aircraft and on the component.

If choice c is selected set score to 1.

131. Chains should be measured when clean and dry, by being placed on a....

- (a) sprocket.
- (b) flat surface.
- (c) rounded surface.

If choice b is selected set score to 1.

132. Teleflex outer conduit kinks can cause....

- (a) cable tension to become slack.
- (b) controls to become tight.
- (c) controls to become slack.

If choice b is selected set score to 1.

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

If choice a is selected set score to 1.

134. Teleflex controls are used to....

- (a) transmit a pull in the control system.
- (b) transmit both a push and pull in the control system.
- (c) transmit a push in the control system.

If choice b is selected set score to 1.

135. 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.

If choice a is selected set score to 1.

136. Which of these methods can **NOT** be used to prepare the composite surface for an adhesive?

- (a) Primer.
- (b) Heat treatment.
- (c) Acid surface treatment.

If choice c is selected set score to 1.

137. A title block of an aircraft engineering drawing....

- (a) contains the essential information required for the identification, administration and distribution within the maintenance organisation.
- (b) should be on top of the sheet with the drawing number in the higher left hand corner.
- (c) contains the non-essential information required for the administration and distribution within the maintenance organisation.

If choice a is selected set score to 1.

138. Belt pressure is measured at the....

- (a) shortest unsupported end.
- (b) highest part of the transmission.
- (c) middle of the longest unsupported length.

If choice c is selected set score to 1.

139. A radiographic flaw inspection is recognizable by....

- (a) the use of a test probe and an indicator with impedance bridge.
- (b) the use of penetrant liquid and developing powder.
- (c) an isolated or prohibited area around an object to be tested.

If choice c is selected set score to 1.

140. If stiffness is found in a push pull system, notice that a check of each....

- (a) bearing in the system is required.
- (b) rod end fitting in the system is required.
- (c) adjustable fitting in the system is required.

If choice a is selected set score to 1.

141. If the rivet in an elongated hole is replaced by a rivet of the same size, its ability to carry its share of the shear load is....

- (a) weakened.
- o (b) the same.
- o (c) improved.

If choice a is selected set score to 1.

142. What is Co-Bonding of a composite material?

This is the process of....

- o (a) curing and simultaneously bonding of two composite laminates.
- o (b) heating and melting of thermoplastics polymers, when these materials are thoroughly intermixed (or fused) together and after cooling becoming essentially a single part.
- (c) bonding two or more elements, where at least one has already been fully cured and at least one is uncured.

If choice c is selected set score to 1.

143. During hydraulic ground supply different hydraulic fluids....

- (a) cannot be mixed.
- o (b) can be mixed in case of urgency.
- o (c) can be mixed.

If choice a is selected set score to 1.

144. Any insulation tester has an output voltage that is....

- o (a) lower than the working voltage of the circuit under test.
- o (b) equal to the expected value of the dielectric constant.
- (c) equal to (and for preference appreciably higher than) the working voltage of the circuit under test.

If choice c is selected set score to 1.

145. If the twist of a shaft disappears, as a result of removing force,....

- o (a) the centre line of the shaft is not straight.
- o (b) then it has been loaded above its elastic limit.
- (c) then the shaft will have been loaded below its elastic limit.

If choice c is selected set score to 1.

146. Excessive preload in a bearing can result in....

- (a) etching.
- (b) premature fatigue failure.
- (c) grooving.

If choice b is selected set score to 1.

147. When you perform a Zonal Inspection....

- (a) you make extensive use of specialized Inspection Techniques and/or equipment.
- (b) you inspect a specified component or assembly in an area or zone.
- (c) you inspect an area or zone to detect obvious unsatisfactory conditions and discrepancies.

If choice c is selected set score to 1.

148. Explain the term 'tolerance'.

- (a) Tolerance is the measured size of a finished part.
- (b) Tolerance is an approximate dimension that is used for the purpose of general identification.
- (c) Tolerance is the difference between min and max of a given dimension.

If choice c is selected set score to 1.

149. Broken teeth are an indication for....

- (a) gears meshed to low.
- (b) too much grease.
- (c) gears meshed to high.

If choice c is selected set score to 1.

150. The splice or patch material used in internal riveted and bolted repair is normally the same type of material as the damaged part,....

- (a) with the same gauge.
- (b) but one gauge smaller.
- (c) but one gauge heavier.

If choice c is selected set score to 1.

151. If gears are meshed too high, the....

- (a) teeth will break.
- o (b) gears will not be properly lubricated.
- o (c) teeth will receive proper lubrication and loading.

If choice a is selected set score to 1.

152. How much separation is at least required between electrical cables and control cables?

- o (a) 10 cm (4 inch).
- (b) 7.5 cm (3 inch).
- o (c) 5 cm (2 inch).

If choice b is selected set score to 1.

153. When using in-line splices....

- o (a) each barrel can carry more than one cable.
- (b) the splice must be fitted horizontally or positioned so that the ingress of moisture is not possible.
- o (c) all-in-line splices can be used at every operating temperatures.

If choice b is selected set score to 1.

154. Wear limits may be found in the appropriate....

- o (a) operation manual.
- o (b) illustrated parts catalogue.
- (c) repair overhaul manual.

If choice c is selected set score to 1.

155. When you install Cable Bundles in an Aircraft,

- o (a) metal clamps without flexible rubber cushion must only be used inside the pressure cabin.
- o (b) plastic cable clamps must only be used outside the pressure cabin.
- (c) metal cable clamps must have a flexible rubber cushion.

If choice c is selected set score to 1.

156. What is the system chapter of propulsion?

- (a) system 71-XX-XX
- o (b) system 20-XX-XX
- o (c) system 51-XX-XX

If choice a is selected set score to 1.

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

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

If choice a is selected set score to 1.

158. What does "Swarf" mean?

Swarf describes....

- o (a) a conductive carbon path formed across an insulating surface.
- (b) the metal particles generated from drilling and machining operations.
- o (c) damage of the wiring by moisture.

If choice b is selected set score to 1.

159. Which are the precautions when using Files?

- o (a) Keep the file teeth clean using a scratch card, never secure the work in a vice.
- o (b) Always use the length and grade of file appropriate to the job being done. Whenever possible use less than the half length of the file or each stroke.
- (c) Never use a file without a handle, keep the file teeth clean using a scratch card.

If choice c is selected set score to 1.

160. "V"-blocks are used to check the....

- o (a) clearance of a shaft.
- o (b) Centre-Line of a shaft.
- (c) ovality of a shaft.

If choice c is selected set score to 1.

161. Drawings need identification markings on parts and will indicate both the position of the markings and the method of application.

The identification markings are....

- (a) symbols or code letters.
- o (b) only text.
- o (c) text and colours.

If choice a is selected set score to 1.

162. To obtain high structural efficiency in the manufacturing and repair of aircraft, an inspection must be made of....

- (a) all rivets before the part is put in service.
- o (b) 50% of all rivets before the part is put in service.
- o (c) 75% of all rivets before the part is put in service.

If choice a is selected set score to 1.

163. What must be a precaution when using power tools?

- o (a) Where necessary, the appropriate fire extinguisher is within 2 minutes reach.
- (b) All protective guards and fences are securely in place.
- o (c) Machinery is checked for any "Warning" notices indicating it is safe for use.

If choice b is selected set score to 1.

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

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

If choice a is selected set score to 1.

165. What signal must the ILS test-set transmit, for both the ILS receiver localizer and glide slope channels?

- o (a) A VHF signal to the aircraft antennas.
- o (b) A UHF signal to the aircraft antennas.
- (c) Both a VHF and a UHF signal to the aircraft antennas.

If choice c is selected set score to 1.

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

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

If choice c is selected set score to 1.

167. Where does the quality of a finished article depend on?

The quality of the finished article....

- (a) does not depend on the skills of the craftsperson because every procedure is defined in the manuals.
- (b) depends on the skill of the craftsperson and the equipment available to complete the task.
- (c) depends only on the developer of the machinery used by the craftsperson.

If choice b is selected set score to 1.

168. What does a TDR domain reflectometer measure?

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

If choice a is selected set score to 1.

169. What is the difference between MIG- and TIG-welding?

- (a) MIG-welding has a non-consumable electrode and TIG-welding has a consumable electrode.
- (b) The welding wire is provided through the welding gun with MIG-welding and with TIG-welding the filler metal has to be applied manually.
- (c) MIG-welding uses CO₂ as a shielding gas and TIG-Welding used helium or argon as shielding gas.

If choice b is selected set score to 1.

170. A dark colouring of the grease will indicate....

- (a) overloaded bearing.
- (b) presence of metallic particles.

- o (c) worn case.

If choice b is selected set score to 1.

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

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

If choice c is selected set score to 1.

172. Bearings may be rotated at high speed....

- o (a) before installation.
- o (b) always.
- (c) only when lubricated.

If choice c is selected set score to 1.

173. Twist of a shaft is the....

- o (a) size to which a part may wear before it must be rejected as unserviceable.
- o (b) result of bending.
- (c) result of applied torsion on shafts.

If choice c is selected set score to 1.

174. When do we use pneumatic Angled Drills?

Pneumatic angled drills....

- o (a) can only be used for all conventional drilling operations where direct access is possible.
- (b) are available for drilling holes in positions where access is not possible with straight types.
- o (c) can only be used with the correct type of hydraulic fluid.

If choice b is selected set score to 1.

175. The ATA Chapter numbers provide a common referencing standard for all....

- o (a) passenger aircraft documentation.
- (b) commercial aircraft documentation.
- o (c) military aircraft documentation.

If choice b is selected set score to 1.

176. What is the meaning of the abbreviation "AN"?

- (a) Air Force and Navy.
- o (b) Aviation Normalisation.
- o (c) American Norms.

If choice a is selected set score to 1.

177. Fuel removed from an airplane will....

- o (a) only be re-used on the same airplane.
- (b) not be re-used any more.
- o (c) only be re-used on an other airplane.

If choice b is selected set score to 1.

178. Defects on an operational aircraft can be defined as an abnormality that reduces the serviceability of the aircraft below....

- o (a) 75%
- (b) 100%
- o (c) 90%

If choice b is selected set score to 1.

179. Excessive or insufficient shank allowance....

- (a) can cause rivet faults.
- o (b) is normal during riveting procedures.
- o (c) is necessary to compensate the wrong use of a dolly.

If choice a is selected set score to 1.

180. Hose assemblies should be inspected for signs of....

- o (a) corrosion.
- o (b) deformation and dents.
- (c) flattening, kinking or twisting.

If choice c is selected set score to 1.

181. Worn bearing balls / rollers are an indication for....

- (a) excessive lubrication.
- (b) overheating.
- (c) excessive axial / radial clearances.

If choice c is selected set score to 1.

182. What is important when using an Engineer's Rule?

An engineer's rule....

- (a) is a tool that is only be used by an engineer and not by a mechanic.
- (b) can only be used once.
- (c) must be kept free from rust an should not be subjected to rough usage.

If choice c is selected set score to 1.

183. Rivet head cracks are caused by....

- (a) excessive driving, to much pressure on bucking bar.
- (b) work not held firmly together and rivet shank swelled.
- (c) bucking bar not held firmly.

If choice a is selected set score to 1.

184. Tubes should be inspected for signs of....

- (a) flattening, kinking or twisting.
- (b) blistering and dents.
- (c) deformation and dents.

If choice a is selected set score to 1.

185. The primary purpose of a gear is the transmission of force through

- (a) speed.
- (b) motion.
- (c) RPM.

If choice b is selected set score to 1.

186. Pipe bending without bending jigs can be accomplished....

- (a) with a hard round object without obstructions.

- (b) by using a 'pull through' with the pipe immersed in boiling water or by using a steam cleaner.
- (c) with pipes filled with 'fusible alloys'.

If choice c is selected set score to 1.

187. Cable size is usually identified by....

- (a) The American wiring specification.
- (b) colour of the wire.
- (c) The A.W.G. size of the conductor.

If choice c is selected set score to 1.

188. 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.

189. What is correct about pipe supports?

- (a) The minimum dimensions of pipe supports can be found in the Aircraft Maintenance Manual.
- (b) To avoid the risk of fretting occurring between the pipe and the various parts of the aircraft, minimum dimensions from control rods is 25mm (1 in).
- (c) Packings installed between the pipe and the clamping material is not applicable for pipe supports.

If choice a is selected set score to 1.

190. Which of the following standards are developed by the military?

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

If choice c is selected set score to 1.

191. Dimensional tolerance....

- (a) is the algebraic difference between a size and the corresponding 'basic' or 'nominal' size.

Examination Manager

- (b) is a difference in dimension that is necessary to give a particular 'class of fit' between two parts.
- (c) is the allowable variation for any given size in order to achieve a proper function.

If choice c is selected set score to 1.

192. What is the function of static dischargers?

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

If choice a is selected set score to 1.

193. Fatigue Critical Structure (FCS) is structure that....

- (a) carries flight, ground, crash or pressurization loads.
- (b) only can be repaired by insertion.
- (c) is susceptible to fatigue cracking that could lead to a catastrophic failure of an aircraft.

If choice c is selected set score to 1.

194. What does a "Class C" fire means....

- (a) fire of flammable gases.
- (b) fire of combustible metals.
- (c) fire of combustible solids.

If choice a is selected set score to 1.

195. To measure the VSWR (Voltage Standing-Wave Ratio), a.....

- (a) voltmeter is used.
- (b) megger is used.
- (c) time domain meter is used.

If choice c is selected set score to 1.

196. Cable wear will be hand-inspected by running the....

- (a) fitting ends of cable through the protected hand.
- (b) full length of cable through the unprotected hand.
- (c) full length of cable through the protected hand.

If choice c is selected set score to 1.

197. Counterfeited or Bogus parts....

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

If choice b is selected set score to 1.

198. What means the term LD50?

- (a) A calculated concentration of a substance in air, exposure to which for specified length of time is expected to cause the death of 50% of a laboratory animal population.
- (b) The dose of a substance expected to cause the death of 50% of an experimental animal population.
- (c) The lowest dose of substance introduced by any route other than inhalation reported to have caused death in humans or animals.

If choice b is selected set score to 1.

199. The minimum spacing between protruding head rivets shall not be less than...(fill in...) times the rivet diameter.

- (a) 4
- (b) 3
- (c) $3\frac{1}{2}$

If choice c is selected set score to 1.

200. What is the need of calibrating test equipment?

- (a) The need for calibration is only for the traceability of the test equipment, not for the accuracy.
- (b) Calibrating is the need to establish confidence in the accuracy of the test equipment when it is used for maintenance.
- (c) It is not required to calibrate test equipment when it is used for maintenance.

If choice b is selected set score to 1.

201. Hydraulic tubing under $\frac{1}{4}$ " in diameter usually can be bent....

- (a) with the use of a production bending tool.
- (b) with the use of a portable bending tool.

- (c) without the use of a bending tool.

If choice c is selected set score to 1.

202. Cleco clamps are....

- o (a) metal blocks with a recess to the same shape as the pre-formed head.
- o (b) used to form shop heads on solid-shank rivets during installation.
- (c) used to align parts prior to being riveted to an aircraft.

If choice c is selected set score to 1.

203. A change in colour of the spring metal indicates....

- (a) overheating.
- o (b) loss of strength.
- o (c) loss of temper.

If choice a is selected set score to 1.

204. When a drive belt is worn

- o (a) it is allowed to readjust the belt tension so that there is no slippage and no excessive wear.
- o (b) you also have to replace the pulley from the worn drive belt.
- (c) always check that the pulleys are aligned before belt replacement.

If choice c is selected set score to 1.

205. What is a main cause of faulty riveting?

- (a) Wrong size of dolly or snap used.
- o (b) Wrong Maintenance Manual used.
- o (c) Rivets bigger than rivet holes.

If choice a is selected set score to 1.

206. What is the meaning of "NDI"?

- o (a) Non-destructive implementation.
- (b) Non-destructive inspection.
- o (c) No damage inspection.

If choice b is selected set score to 1.

207. During the cleaning of a bearing, the bearing should....

- (a) be rotated.
- (b) placed vertically.
- (c) not be able to rotate.

If choice c is selected set score to 1.

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

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

If choice c is selected set score to 1.

209. A Collective drawing contains....

- (a) a complete assembly including all individual parts on a single drawing.
- (b) parts or assemblies of essential similar shape, but of different dimensions.
- (c) unique parts or assemblies.

If choice b is selected set score to 1.

210. In a gear with 4 gearwheels, is the backlash in each gear 0.001mm.

How much would the total backlash then be?

- (a) 0.003 mm.
- (b) 0.004 mm.
- (c) 0.005 mm.

If choice a is selected set score to 1.

211. Before starting a close visual inspection of any selected part of area, any corrosion found in the preliminary inspection should be....

- (a) removed.
- (b) treated.
- (c) cleaned.

If choice a is selected set score to 1.

212. What kind of fire should be extinguished with water?

- (a) Electrical equipment.
- (b) Burning metal.
- (c) Burning solids.

If choice c is selected set score to 1.

213. What are aircraft rivets made of?

- (a) Aluminium alloy.
- (b) Steel.
- (c) Copper alloy.

If choice a is selected set score to 1.

214. Wave springs reduce the spring height by....

- (a) 50%.
- (b) 25%.
- (c) 75%.

If choice a is selected set score to 1.

215. High speed bearings are lubricated with....

- (a) mixture oil/grease.
- (b) oil.
- (c) grease.

If choice b is selected set score to 1.

216. Before any inspections on pipes and hoses can be done,....

- (a) all critical areas must be closed to prevent contamination.
- (b) the hoses and pipes must be removed.
- (c) it must be ensured that the components are clean.

If choice c is selected set score to 1.

217. Correct control cable tension is....

- (a) checked by the use of a tensiometer and adjusted on the turnbuckles.

- (b) less important than lubrication.
- (c) checked and adjusted on the control column.

If choice a is selected set score to 1.

218. If the centre line of the shaft is not straight, then the item is....

- (a) bowed,
- (b) elongated.
- (c) out of wear limit.

If choice a is selected set score to 1.

219. Plastic cable clamps must only be used....

- (a) inside the pressure cabin.
- (b) outside the pressure cabin.
- (c) inside the pressure cabin with max clamp load.

If choice a is selected set score to 1.

220. Manual grease application....

- (a) allows inspection in conjunction with re-lubrication.
- (b) prevents sound check during re-lubrication.
- (c) prevents inspection during re-lubrication.

If choice a is selected set score to 1.

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

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

If choice b is selected set score to 1.

222. What is ISO?

- (a) It is an American organization and it is the largest developer of manufacturing methods.
- (b) It is an international organization and it is the largest developer of laws.
- (c) It is an international organization and it is the largest developer of standards.

If choice c is selected set score to 1.

223. It is not recommended to use the aircraft anti-icing systems....

- (a) to remove or prevent ice formation on the ground.
- o (b) during flight.
- o (c) during take-off.

If choice a is selected set score to 1.

224. What is the purpose of Electrical Wiring Diagrams?

- o (a) Provide a detailed overview of the mechanical aircraft systems, so that maintenance and diagnosis can be initiated.
- (b) They specify details such as the size (gauge) of the wires, types of terminals for each application, identify each component within a system by its part-number.
- o (c) Provide general information on aircraft systems such as electrical, hydraulic, pneumatic, lubrication, air-conditioning and pressurization.

If choice b is selected set score to 1.

225. What is a disadvantage of X-ray inspection?

- (a) Precautions have to be taken because of the harmful rays.
- o (b) The faults in the weld will not be shown very clearly.
- o (c) The x-rays will turn the material that is inspected slightly radio-active.

If choice a is selected set score to 1.

226. When a spring is compressed or stretched, the force it exerts is proportional to its change in

- o (a) temperature.
- (b) length.
- o (c) weight.

If choice b is selected set score to 1.

227. What is your first action when a person's eyes are exposed to a hazardous substance, especially a corrosive substance?

- o (a) Immediately bring the person to the hospital.
- (b) Immediately flush the eyes at an eyewash station.
- o (c) Cover the eyes immediately and call the ambulance.

If choice b is selected set score to 1.

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

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

If choice a is selected set score to 1.

229. 'Bird Caging' is identified by....

- o (a) permanent bends in the cable.
- (b) the strands tending to move outwards from the centre of the cable.
- o (c) over-stretching.

If choice b is selected set score to 1.

230. 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) If there are both solid and liquid particles in the atmosphere
- o (c) When there are at least 80% of airborne particles

If choice a is selected set score to 1.

231. What is the meaning of the abbreviation 'NAS'?

- (a) National Aerospace Standard
- o (b) Normal Aircraft Standard
- o (c) National American Standard

If choice a is selected set score to 1.

232. Backlash check on a screw jack can be performed by side-to-side hand movement of the

- o (a) ballnut.
- (b) attached component.
- o (c) gearbox.

If choice b is selected set score to 1.

233. Swaging is....

- (a) splicing two cables together.
- (b) an operation in which a metal end fitting is secured to the end of the cable.
- (c) an operation in which a plastic and fitting is secured to the end of a cable.

If choice b is selected set score to 1.

234. It is vital that inner cables of a teleflex system are regularly removed, cleaned and lubricated with....

- (a) high temperature grease.
- (b) low temperature grease.
- (c) high temperature oil.

If choice b is selected set score to 1.

235. A grounding cable is connected to....

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

If choice c is selected set score to 1.

236. Rivets found with damaged head should be....

- (a) adjusted.
- (b) reworked.
- (c) replaced.

If choice c is selected set score to 1.

237. Removal /installation of any pressurized component requires that....

- (a) no pressure is released.
- (b) all system pressure is released.
- (c) all system pressure partially is removed.

If choice b is selected set score to 1.

238. An effective technique is to look at specific targets. These targets focus the eyes and attention to possible defects.

How do you call this?

- (a) Area scanning.
- (b) Look scanning.
- (c) Step scanning.

If choice c is selected set score to 1.

239. What is the unit of resistance measurement?

- (a) Amps (A).
- (b) Volts (V).
- (c) Ohms (Ω).

If choice c is selected set score to 1.

240. External sealed bearings....

- (a) can normally be re-packed with grease.
- (b) can normally be re-packed with grease, after cleaning.
- (c) cannot normally be re-packed with grease, and when unserviceable must be rejected.

If choice c is selected set score to 1.

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

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

If choice a is selected set score to 1.

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

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

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

If choice c is selected set score to 1.

243. Prior to installation of a pipe, the pipe should be....

- (a) tested to establish that there is no leakage.
- (b) filled with water to make sure that all couplings are serviceable.
- (c) checked to establish that it is of the correct type.

If choice c is selected set score to 1.

244. What does Hooke's Law states?

The force needed to extend or compress a spring....

- (a) is not proportional to the extension or compression.
- (b) is proportional to the permanent deformation.
- (c) is proportional to the extension or compression.

If choice c is selected set score to 1.

245. The inner diameter of the conduit must be...(fill in)...% larger than the maximum outer diameter of the cable bundle.

- (a) 50
- (b) 25
- (c) 15

If choice b is selected set score to 1.

246. A hole drilled for a rivet with a specific diameter would....

- (a) the same as those drilled to take a screw thread, or the plain shank of a bolt, of the same diameter.
- (b) differ from those drilled to take a screw thread, but the same for the plain shank of a bolt, of the same diameter.
- (c) differ from those drilled to take a screw thread, or the plain shank of a bolt, of the same diameter.

If choice c is selected set score to 1.

247. If the rivet holes show elongation, replace the rivets with the....

- (a) same size.
- (b) next larger size.
- (c) next smaller size.

If choice b is selected set score to 1.

248. What is the purpose of Schematic diagrams?

- (a) They give information on aircraft systems such as electrical, hydraulic, pneumatic, lubrication, air-conditioning and pressurization.
- o (b) They specify details such as the size (gauge) of the wires, types, of terminals used for each application, identify each component within a system by its part number.
- o (c) They give a detailed overview of the complete aircraft ground equipment.

If choice a is selected set score to 1.

249. Specific details of aircraft storage procedures can be found in....

- o (a) AMM chapter 47.
- (b) AMM chapter 10.
- o (c) AMM chapter 5.

If choice b is selected set score to 1.

250. How can I see the next calibration date on the tools?

- o (a) All information of calibration is listed in the shop manual. It is not allowed to apply any sticker on tools.
- (b) A sticker would be attached to the tool detailing the due date of the next calibration.
- o (c) The due date of the next calibration is engraved in the tools.

If choice b is selected set score to 1.

251. Bearings will be unpacked

- o (a) after delivery.
- o (b) at receiving.
- (c) when required for use.

If choice c is selected set score to 1.

252. Is it possible to weigh an aircraft with fuel in the fuel tanks?

- o (a) Yes, the amount of fuel does not matter as long as a hydrometer is used.
- o (b) No, it is not possible. All fuel has to be drained.
- (c) Yes, but only with full tanks and when using a hydrometer.

If choice c is selected set score to 1.

- 253.** Two kind of tool control are the "shadow board" and "tool tag" system. What is the advantage of a shadow board?



- (a) The shadow board gives extra protection against the hazards of extreme sunlight
- (b) After calibration the shadow board is used to tag all special tooling so technicians can choose the correct tools
- (c) Technicians can now see which tools are used.

If choice c is selected set score to 1.

- 254.** Precision Measuring Instruments are used to measure....

- (a) object with great dimensions.
- (b) dimensions with a great accuracy.
- (c) dimensions with poor accuracy.

If choice b is selected set score to 1.

255. A small amount of backlash is desirable....

- (a) to control temperature in the gear.
- (b) to provide for lubricant space and differential expansion between the gear components and the housing.
- (c) to change the center distance.

If choice b is selected set score to 1.

256. A BIT-test is a....

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

If choice b is selected set score to 1.

257. What is a combined type of drawing?

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

If choice a is selected set score to 1.

258. We can mark aluminium sheet metal with....

- (a) scribes, felt-pen and marking ink.
- (b) a ballpoint pen.
- (c) pencils but only with the HB hardness.

If choice c is selected set score to 1.

259. If there are any kinks or twists in a chain,....

- (a) only the kinks should be replaced.
- (b) the twists should be replaced.
- (c) the chain should be rejected.

If choice c is selected set score to 1.

260. Shear pins will prevent damage to....

- (a) tow bar during towing.
- (b) tow tractor during towing.
- (c) to airplane during towing.

If choice c is selected set score to 1.

261. The lash and pattern of a gear is determined by

- (a) how the teeth of one gear mate with the teeth of another gear.
- (b) the speed of the gears.
- (c) the depth of the teeth.

If choice a is selected set score to 1.

262. Which three conditions must be met for a fire to occur?

- (a) Fuel, oxygen and heat
- (b) Fuel, ignition and heat
- (c) Fuel separator, oxygen and heat

If choice a is selected set score to 1.

263. What is Co-Curing of a composite material?

This is the process of....

- (a) bonding two or more elements, where at least one has already been fully cured and at least one is uncured.
- (b) curing and simultaneously bonding of two composite laminates.
- (c) heating and melting of thermoplastic polymers, when these materials are thoroughly intermixed (or fused) together and after cooling becoming essentially a single part.

If choice b is selected set score to 1.

264. If the bucking bar is too light, it does not give the necessary bucking weight:

- (a) and the material may become bulged away from the shop head.
- (b) and the shop head is being deformed.
- (c) and the material may become bulged toward the shop head.

If choice c is selected set score to 1.

265. Twist can be measured with....

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

If choice b is selected set score to 1.

266. Corrosion is primarily detected by....

- (a) overheated rivets.
- (b) borescope inspection.
- (c) visual inspection.

If choice c is selected set score to 1.

267. Bonding is the....

- (a) technique to prevent shafing of the wiring.
- (b) technique to keep the wiring together.
- (c) electrical interconnection of metallic parts of an aircraft.

If choice c is selected set score to 1.

268. What is an Adhesive Film?

- (a) This is an adhesive that is normally used to bond a honeycomb core material and the surface layer/laminate.
- (b) This is a layer inside a composite part which is used during Ultrasonic Inspections to create an echo signal.
- (c) This is a conductive layer which is applied to the top-skin of an aircraft as LSP (lightning strike protection).

If choice a is selected set score to 1.

269. A general visual inspection is made of an exterior with....

- (a) all hatches and panels opened.
- (b) specialized techniques and equipment.
- (c) all hatches and panels closed.

If choice a is selected set score to 1.

270. Where is a directional Watt meter connected during test?

- (a) Between power supply and transmitter.
- (b) Between receiver and antenna.
- (c) Between transmitter and antenna.

If choice c is selected set score to 1.

271. What does the abbreviation ISO mean?

- (a) International System of Units Organisation
- (b) International Organization for Standardization
- (c) Internal System of Organisation

If choice b is selected set score to 1.

272. Why do we need additional line maintenance procedures?

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

If choice a is selected set score to 1.

273. What can you measure with a Vernier calliper?

- (a) Change in bow.
- (b) Height.
- (c) Twist.

If choice b is selected set score to 1.

274. What does it mean to sign an EASA form 1 after maintenance?

- (a) Aircraft meets Part 145 and work has been done per the technical requirements.
- (b) Work has been done in accordance with Part 145 and but the aircraft does not have to meet all technical requirements.
- (c) Work has been done in accordance with Part 145 and the technical requirements.

If choice c is selected set score to 1.

275. Blistering of the spring surface protection is usually an indication of...

- (a) overweight.
- (b) overheating.
- (c) overload.

If choice b is selected set score to 1.

276. Before airplane storage....

- (a) all tanks should be drained.
- (b) the tanks should be drained, filled or partially-filled as described in the applicable AMM.
- (c) all tanks should be filled.

If choice b is selected set score to 1.

277. When preparing the aircraft to be jacked, the aircraft should....

- (a) be chocked fore and aft and parking brake released.
- (b) be chocked fore and aft and parking brake set.
- (c) have parking brake set.

If choice a is selected set score to 1.

278. What kind of fires are best extinguished with Carbon Dioxide?

- (a) Burning metal
- (b) Flammable gases
- (c) Flammable and Combustible Liquids

If choice c is selected set score to 1.

279. When using a 'go/ no-go' gauge for crimping tools....

- (a) always crimp the GO gauge.
- (b) do not crimp the gauge.
- (c) the NO-GO should enter between the intender tips.

If choice b is selected set score to 1.

280. Components, systems or vital points subject to duplicate inspection must....

- (a) not be disturbed or readjusted between the first and second parts of the inspection.
- o (b) be readjusted between the first and second parts of the inspection.
- o (c) be re-aligned between the first and second parts of inspection.

If choice a is selected set score to 1.

281. During oiling, the bearing should....

- o (a) be spinning.
- o (b) no be rotated.
- (c) be slowly rotated.

If choice c is selected set score to 1.

282. Static discharges....

- o (a) protect the aircraft against lightning strikes.
- o (b) will increase radio noise.
- (c) can be damaged by lightning strike.

If choice c is selected set score to 1.

283. Scratches and shavings are visible on aluminium sheet metal.

- (a) This is not allowed because scratches effect the quality of the aluminium metal sheet.
- o (b) This is allowed but we need a thicker sheet for the product.
- o (c) This is allowed but only if we paint or anodize the product.

If choice a is selected set score to 1.

284. Who is responsible for the quality of maintenance?

- o (a) The quality manager
- o (b) The certifying staff
- (c) Every person involved in that maintenance activity.

If choice c is selected set score to 1.

285. A crooked flare is the result of the....

- o (a) tubing is not cut at the proper length.
- (b) tubing not being cut squarely.

- (c) flare is less than 45 degrees.

If choice b is selected set score to 1.

286. The most important check on jackscrews is the....

- (a) rotation check.
- (b) backlash check.
- (c) push-pull check.

If choice b is selected set score to 1.

287. What is the magnitude of the test current which normally is used during a test with a bonding tester?

- (a) 1.0 A.
- (b) 0.1 A.
- (c) 10 A.

If choice c is selected set score to 1.

288. Adjusting slackness of a Bowden cable is done by....

- (a) increasing the length of the conduit.
- (b) decreasing the length of the conduit.
- (c) increasing the length of the cable.

If choice a is selected set score to 1.

289. Parts of a chain that are measured out of tolerance should be....

- (a) repaired.
- (b) replaced.
- (c) modified.

If choice b is selected set score to 1.

290. The flaring tool used for aircraft tubing has male and female dies ground to produce a flare of....

- (a) 33 degrees to 35 degrees.
- (b) 35 degrees to 37 degrees.
- (c) 45 degrees to 47 degrees.

If choice b is selected set score to 1.

291. When corrosion is found on a control cable, the cable....

- (a) should be properly lubricated.
- (b) should be properly cleaned.
- (c) must be rejected.

If choice c is selected set score to 1.

292. What is tested with the Abrasive wheel ring test?

The Abrasive wheel ring test....

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

If choice a is selected set score to 1.

293. An AD (airworthiness directive) is....

- (a) mandatory.
- (b) on-conditioned.
- (c) optional for the MEL.

If choice a is selected set score to 1.

294. The rubber-cushioned clamp is used to secure lines....

- (a) subject to vibration.
- (b) in areas subject to high temperatures.
- (c) in the cabin. To reduce noise of vibrations.

If choice a is selected set score to 1.

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

- (a) 15 cm (6 inch).
- (b) 10 cm (4 inch).
- (c) 5 cm (2 inch).

If choice a is selected set score to 1.

296. Aircraft fuel samples will be taken from the sumps....

- (a) after refuelling.
- o (b) before refuelling.
- o (c) during refuelling.

If choice a is selected set score to 1.

297. ATA Chapters are relevant for....

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

If choice b is selected set score to 1.

298. Snap gages are....

- o (a) adjustable.
- (b) adjustable or non-adjustable.
- o (c) non-adjustable.

If choice b is selected set score to 1.

299. What is a characteristic of grease as a lubricant?

- o (a) Has to evaporate in service.
- o (b) May produce gum, sludge or carbon.
- (c) Remain chemically stable when it is heated.

If choice c is selected set score to 1.

300. The lubrication of a chain drives

- o (a) is done before first flight of the day.
- o (b) is only done at installation.
- (c) is done periodically.

If choice c is selected set score to 1.

301. Shielded wire allows the transmission of electricity....

- o (a) causing EMI (Electro Magnetic Interference) or HIRF (Highly Radiated Frequency)

- (b) without causing EMI (Electro Magnetic Interference) or HIRF (High Intensity Radiated Frequency)
- o (c) without causing VSWR.

If choice b is selected set score to 1.

302. Concentricity of a shaft...

- o (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.
- o (c) is visually inspected, special test equipment is not necessary.

If choice b is selected set score to 1.

303. Which instruction is always related to flight safety?

- (a) The airworthiness directive.
- o (b) The service bulletin.
- o (c) The service letter.

If choice a is selected set score to 1.

304. If the serviceability of an appliance or machine cannot be determined

- o (a) the mechanic can calibrate the appliance or machine himself and will continue with the task.
- o (b) the appliance or machine can still be used.
- (c) the appliance or machine should immediately be removed from service and labelled accordingly.

If choice c is selected set score to 1.

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

The variation of the design size....

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

If choice c is selected set score to 1.

306. After swaging,....

- (a) cables are to be inspected for cracks.
- (b) fittings are to be inspected for cracks.
- (c) dies are to be inspected for cracks.

If choice b is selected set score to 1.

307. Before gauging the crimp jaws of a crimp tool, the dies should always....

- (a) be clean and free from particles.
- (b) touch each other with no visible gap.
- (c) be renewed to ensure maximum crimp.

If choice a is selected set score to 1.

308. When should corrosion be treated?

- (a) During weekly scheduled inspections.
- (b) As soon as possible after detection.
- (c) Only during D-checks.

If choice b is selected set score to 1.

309. 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) Liquids can only be used when the technician has labelled them with an expiry date.
- (c) Materials must be checked before use, because they can be unsafe if used beyond their expiry date.

If choice c is selected set score to 1.

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

- (a) 25 m Ω .
- (b) 250 m Ω .
- (c) 2.5 m Ω .

If choice c is selected set score to 1.

311. With a Megaohm-metre you can measure

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

If choice a is selected set score to 1.

312. Dimpling is done with a....

- (a) male and female die (punch set).
- o (b) male die (punch set).
- o (c) female die (die set).

If choice a is selected set score to 1.

313. During an inspection of bearings, particular attention should be given to rust stains, which may be a good indication of....

- o (a) the presence of hydraulic fluid contamination.
- o (b) overload.
- (c) the presence of moisture.

If choice c is selected set score to 1.

314. A general visual inspection of an aircraft structure may be accomplished by....

- o (a) flight crew only.
- o (b) flight or maintenance crew.
- (c) maintenance crew only.

If choice c is selected set score to 1.

315. The pitch for countersunk rivets is...(fill in)...for universal head rivets.

- o (a) smaller than
- o (b) the same as
- (c) larger than

If choice c is selected set score to 1.

316. Which factors are limiting the deformation of aluminium sheet metal?

- o (a) The capability of the machine.
- o (b) The temperature of heating oven and the temperature in the room.

- (c) The condition (state) of the sheet metal, and the type of alloy of the sheet metal.

If choice c is selected set score to 1.

317. Life limited parts should....

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

If choice c is selected set score to 1.

318. Which kind of spring does not obey Hooke's law?

- o (a) Tension spring.
- (b) Constant force spring.
- o (c) Wave spring.

If choice b is selected set score to 1.

319. Eddy currents are alternating electrical currents, which are induced, into conductive material by....

- o (a) a pulsing electric field.
- (b) an alternating magnetic field.
- o (c) a steady magnetic field.

If choice b is selected set score to 1.

320. The Drawing Number of repair drawings represents....

- o (a) the reference number of the maintenance technician.
- (b) generally the part number.
- o (c) details of the current issues of all drawings which are associated with a particular component or assembly.

If choice b is selected set score to 1.

321. Countersunk rivet heads are internationally standardized at....

- o (a) 90 degrees
- (b) 100 degrees

- (c) 1100 degrees

If choice b is selected set score to 1.

322. While there are many types of countersink tools, the most commonly used has an included angle of....

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

If choice a is selected set score to 1.

323. Primary conductors are....

- (a) located in the front of the aircraft.
- (b) the conductors which are required to carry lightning discharge current.
- (c) only connected during refuelling of the aircraft.

If choice b is selected set score to 1.

324. Brinell in a bearing is caused by....

- (a) water or condensation.
- (b) extremely heavy impact loads.
- (c) chips or metal particles in the bearing.

If choice b is selected set score to 1.

325. An aircraft with a heavy landing, without primary damage,....

- (a) does never require further inspections.
- (b) requires always further inspections.
- (c) requires further inspections depending on aircraft type and procedures AMM.

If choice c is selected set score to 1.

326. What is "Basic Weight Empty"?

- (a) The standard weight of the aircraft, including oil and fuel.
- (b) The weight of the aircraft with optional equipment installed.
- (c) The weight of an aircraft without the optional equipment installed.

If choice b is selected set score to 1.

327. Bad lubrication of gears can be caused by....

- (a) overheating.
- (b) gear meshed to high.
- (c) gear set to tightly.

If choice c is selected set score to 1.

328. Insufficient bearing preload can result in....

- (a) reduced-load zone and cause roller end scoring.
- (b) deep gouges or nicks in the bearing surface.
- (c) premature fatigue failure.

If choice a is selected set score to 1.

329. When does over-stressing occur?

If the aircraft....

- (a) lands at a normal rate of descent.
- (b) is not parallel to the runway when it lands.
- (c) main wheels strike the runway before the nose wheels.

If choice b is selected set score to 1.

330. A borescope with a controllable distal viewing end gives....

- (a) only a lateral view.
- (b) only a forward oblique view.
- (c) an almost 360 degrees view.

If choice c is selected set score to 1.

331. What tool is used for precision measuring of internal dimensions?

- (a) Vernier Height Gauge.
- (b) Micrometre Depth Gauge.
- (c) Internal micrometre.

If choice c is selected set score to 1.

332. When will a continuous avionics bit be executed?

- (a) During normal system operation.
- o (b) Only during a pre-flight check by the pilot.
- o (c) Only during flight with weight off wheels.

If choice a is selected set score to 1.

333. A Teflon-cushioned clamp is used in areas where....

- o (a) low temperatures are expected.
- o (b) high vibrations are expected.
- (c) the deteriorating effect of Skydrol, hydraulic fluid, or fuel is expected.

If choice c is selected set score to 1.

334. Abrasion on electrical cables is damage caused by....

- o (a) over bent radii.
- (b) chafing.
- o (c) fluid.

If choice b is selected set score to 1.

335. Checking articulation: the chain should be checked for tight joints by articulating each link though approximately....

- o (a) 90 degrees
- (b) 180 degrees
- o (c) 45 degrees

If choice b is selected set score to 1.

336. What are smoking rivets?

- o (a) Decoloured rivets.
- o (b) Overheated rivets.
- (c) Working rivets having a dark deposit around them.

If choice c is selected set score to 1.

337. What is the purpose of adding Cadmium to solder?

- o (a) This will improve the bonding to zinc or galvanized objects.

- (b) This makes it possible to solder silver objects and prevents the heated tip of the soldering iron from burning in.
- (c) This will lower the melting point.

If choice c is selected set score to 1.

338. What does resolution of a multimeter mean?

Resolution....

- (a) refers to how small a measurement a multimeter can indicate.
- (b) is the largest allowable error that occurs under specific operating conditions.
- (c) is to determine the current through an unknown resistor.

If choice a is selected set score to 1.

339. What is a possible carrier wave frequency of an ILS test set during an ILS glide slope test?

- (a) 109.00 MHz.
- (b) 243.00 MHz.
- (c) 330 MHz.

If choice c is selected set score to 1.

340. Mixed bearing grease types are....

- (a) recommended.
- (b) to be able to reduce contamination.
- (c) never allowed.

If choice c is selected set score to 1.

341. When a cable is kinked, it must be....

- (a) heated.
- (b) straightened.
- (c) rejected.

If choice c is selected set score to 1.

342. What is a big disadvantage of Friction stir welding?

- (a) The welding procedure cannot be paused.
- (b) The tool will wear very fast.
- (c) The uncontrolled heat source.

If choice a is selected set score to 1.

343. Applying the penetrant (non-destructive testing), ideally the temperature of the part should be in the range of...

- (a) 5 - 40 degrees Celsius
- o (b) 1 - 25 degrees Celsius
- o (c) 5 - 60 degrees Celsius

If choice a is selected set score to 1.

344. When using remote viewing instruments for engine inspections it must be ensured that....

- o (a) the engine is not allowed to cool down before inserting the scopes.
- (b) wind milling (on adverting Starting) of the engine is prevented.
- o (c) borescope is bent under proper angle.

If choice b is selected set score to 1.

345. A transition fit is a type of fit in which....

- (a) loosest case provides a clearance fit and the tightest case gives an interference fit.
- o (b) one part fits easily into another with a resulting clearance gap.
- o (c) one part must be forcibly fitted into another.

If choice a is selected set score to 1.

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

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

If choice b is selected set score to 1.

347. Name a type of orthographic projection.

- o (a) Second angle French projection.
- (b) Third angle American Projections
- o (c) First angle British Projection

If choice b is selected set score to 1.

348. In older aircraft, corrosion will be associated with other types of damage, such as....

- (a) fatigue cracking.
- o (b) corrosion cracking.
- o (c) corrosion fatigue.

If choice a is selected set score to 1.

349. Lubrication of chain drives is to prevent....

- o (a) excessive noise.
- (b) excessive wear.
- o (c) twisting of the chain.

If choice b is selected set score to 1.

350. To detect a surface delamination on the surface of an sandwich composite panel, which inspection technique can be used?

- (a) Tap Test
- o (b) Eddy current
- o (c) Magnaflux

If choice a is selected set score to 1.

351. Why is flux used when soldering?

- (a) It will clean the surface, shield the joint from oxygen and it will aid soldering.
- o (b) It will protect the solder from oxidation while still on the roll, it will clean the surface and reduces the amount of toxic fumes.
- 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 a is selected set score to 1.

352. Unusual markings and appearance require....

- o (a) scrap part immediately.
- (b) further investigation.
- o (c) mutilate part to prevent usage.

If choice b is selected set score to 1.

353. Abrasive wearing, pitting and grooving are caused by....

- (a) foreign particles.
- o (b) improper lubrication.
- o (c) corrosion.

If choice a is selected set score to 1.

354. Anodizing is a simple chemical treatment for all aluminium alloys...

- (a) to increase their corrosion resistance and to improve their paint bonding qualities.
- o (b) to remove grease, oil or organic matter.
- o (c) to restore the protective oxide coating on the metal surface.

If choice a is selected set score to 1.

355. What is a specific property of brazing?

- o (a) Brazing is not based on the capillary action of the solder.
- o (b) Brazing is as strong as welding.
- (c) The solder will melt above 450 degrees Celsius.

If choice c is selected set score to 1.

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

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

If choice c is selected set score to 1.

357. What does "Holdover time" mean?

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

If choice b is selected set score to 1.

358. Bucking Bars....

- o (a) can be used at every diameter of the rivet being driven.

Examination Manager

- (b) are tools used to form shop heads on solid-shank rivets during installation.
- o (c) are only available in one size, snap and weight.

If choice b is selected set score to 1.

359. Before swaging, cable should be cut to length, allowing....

- o (a) crimp during swaging.
- o (b) crimp before swaging.
- (c) growth during swaging.

If choice c is selected set score to 1.

360. When failure occurs in a flexible hose equipped with swaged end fittings....

- o (a) all fittings should be replaced.
- (b) the entire assembly must be replaced.
- o (c) a repair is mandatory.

If choice b is selected set score to 1.

361. FOD (foreign object damage) can occur when....

- (a) the work area is not clean.
- o (b) the process is certified.
- o (c) only standard parts are used.

If choice a is selected set score to 1.

362. What is the purpose of ATA Specification 100?

To establish....

- o (a) a standard of creating drawings of the aircraft.
- o (b) guidelines for the presentation of technical data, by aircraft, engine or component manufacturers.
- (c) a standard for the presentation of technical data, by aircraft, engine or component manufacturers.

If choice c is selected set score to 1.

363. When swaging an end fitting to a cable, what should the cable look like after cutting?

The end of the conduit is clean and....

- (a) round.
- (b) pointed.
- (c) square.

If choice c is selected set score to 1.

364. A severely damaged line should be replaced. However, the line may be repaired by cutting out the damaged section and inserting a tube section of....

- (a) a smaller size.
- (b) a larger size.
- (c) the same size and material.

If choice c is selected set score to 1.

365. Sheet separation is caused by:

- (a) bucking bar not held firmly.
- (b) work not held firmly together and rivet shank swelled.
- (c) excessive driving, too much pressure on bucking bar.

If choice b is selected set score to 1.

366. Strain Gauges are used to....

- (a) measure the amount of twist.
- (b) twist the axle when load is applied.
- (c) measure the inner axle diameter.

If choice a is selected set score to 1.

367. The most common check on coil spring is a....

- (a) stretched measurement.
- (b) dynamic measurement.
- (c) static measurement.

If choice c is selected set score to 1.

368. What is the radiation power magnitude of an airfield VOR test beacon?

- (a) Approximately 100 W to 200 W.
- (b) Approximately 50 W.
- (c) Approximately 1 W.

If choice c is selected set score to 1.

369. The coaxial cable shield....

- (a) conducts the information or the signal
- (b) protects against electrostatic and magnetic fields
- (c) is another name for dielectric

If choice b is selected set score to 1.

370. What is an example of scheduled maintenance?

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

If choice c is selected set score to 1.

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

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

If choice b is selected set score to 1.

If assessment score is 0% to 100% Feedback