

## Module 10

1. When Certificate of Airworthiness of an Indian Registered aircraft has lapsed within operation in foreign country, then
  - 1) short term Certificate of Airworthiness may be issued by DGCA to bring the aircraft to base
  - 2) as in (a) and normal Certificate of Airworthiness renewal procedure will be attended on arrival at base station
  - 3) **normal Certificate of Airworthiness procedure shall be carried out to renew the C of A at foreign destination wherein aircraft is grounded**
2. The independent audit CAR 145 the sample check means
  - 1) repeat re-assembly or testing under sample check identifies finding
  - 2) **To witness any relevant testing and visual inspect the product associated documentation**
  - 3) disassembly, re-assembly and testing
3. Total no of engine hours flown (no. of engine hours) equals
  - 1) **No of airframe hours X number of engines installed on that type of aircraft**
  - 2) No. of airframe hour X no. of aircraft
  - 3) No. of airframe hour X no. of engine on same aircraft
4. For maintenance of airframe communication navigation & radar equipment.
  - 1) All defect rectified must be entered in the relevant PDR/ off job sheet/log books
  - 2) As in b and is issued by AME/approved/authorized person after carrying out inspection either in the workshop or in the workshop
  - 3) **Both a and b are correct.**
5. MTCS
  - 1) **Organization with more than about 500 maintenance staff should have a dedicated quality audit group**
  - 2) Organization with less than 500 staff should have dedicated audit group
  - 3) Max 10 staff should have dedicated quality audit group
6. Operator shall implement safety management system to
  - 1) Intimate TC holder for identified safety hazard
  - 2) **Provides for continuous monitoring and regular assessment of safety**
  - 3) As in (a) & ensures the implementation of remedial action necessary to maintain agreed safety performance
7. In accordance with rule 54 of CAR, 1937
  - 1) **All manufacturing/maintenance work performed on aircraft shall be certified by Licensed AME/approved/authorized person**
  - 2) CCL to be carried on board
  - 3) Major maintenance and modification
8. Flame resistances means
  - 1) Susceptible to combustion to the pt of propagating a flame after the ignition source is required
  - 2) **Not susceptible to combustion to the pt of propagating a flame after the ignition source is removed**
  - 3) Susceptible to combustion to the put-off propagating a flame before the ignition source is required
9. Repetitive preflight airworthiness directive and certification authorities be issued limited by CAR 145 AMO to
  - 1) Commander and flight engineer
  - 2) Commander or flight engineer
  - 3) **Commander and/or flight engineer**
10. Weight scheduled not includes
  - 1) **Weight details of removed equip (excluding wireless equip)**
  - 2) Weight details of removed equip (including wireless equip)
  - 3) Weight of Oil capacity
11. Which of the following information is not required while an applicant seeking approval for ETOPS?
  - 1) Aircraft registration number
  - 2) **Type & model of the APU fitted**
  - 3) Total engine hrs of the type in the world fleet
12. Which document & factor shall be kept in view by an operator while preparing TBO/COSL for major component of an aircraft?
  - 1) **Manufacture recommendation & operating environment in the country**

- 2) Category of aircraft whether private passenger category
  - 3) Maintenance facilities available
13. Modification used by manufacture on a type certified a/c
- 1) Requires approval of DGCA headquarters
  - 2) Requires approval of RAO
  - 3) **Is decamped as approved modification**
14. AAC 4 of 1998 deals with
- 1) **Approval of an organisation which is located outside the of India**
  - 2) Approval of an organisation which is located within the territories of India
  - 3) Oral examination of foreign licenced AME to work on Indian Registered Aircraft
15. Guidelines for preparing installation check schedule for addition of a new ratio equipment on an aircraft is available in
- 1) Aircraft rule 1937
  - 2) **BCAR, section 'R' & FAA advisory circular AC43-13**
  - 3) CAR, section-2, series 'R'
16. Mandatory modifications means promulgated by
- 1) DGCA
  - 2) Manufacturer
  - 3) **Airworthiness authority of manufacturing of Aircraft component etc**
17. Helicopter above 7000 kg should be equipped with
- 1) **One FDR & CVR**
  - 2) Two CVR & one FDR
  - 3) 1 FDR & 2 ELT
18. Regarding Aircraft hoses mark the correct statement
- 1) During storage periodic inspection should be carried out once in a year
  - 2) Aircraft hoses pressure tested 1½ times the working pressure every 2 years
  - 3) **Both a and b are correct**
19. The following personnel exempted from undergoing refresher course are
- 1) Welders holding certificate of competency
  - 2) **Instructors of AME training institutes**
  - 3) Member of flying crew
20. Under which following circum stances flight testing is not necessary
- 1) Subsequent to change of an engine
  - 2) **Subsequent to maintenance & error or modification**
  - 3) For the purpose of evaluation in suspect of fuel consumption, engine power
21. Which are the following aspects is not overhead in AAC issued regarding 'Good maintenance practice?
- 1) **Maintenance technicians**
  - 2) Personal Minimum
  - 3) Manager
22. Which are the following documents needs to be carried on board in case an Aircraft does not leave the vicinity if its starting place & returns without landing elsewhere to its starting place ?
- 1) Operation manual
  - 2) **Certificate of flight release**
  - 3) Air operator permit
23. The AME responsible for releasing an a/c after involving the provisions of MEL should
- 1) **Inform pilot in command & record the same in relevant technical document**
  - 2) Take permission from chief of engineering before releasing a/c under MEL
  - 3) Take permission from pilot in command before releasing a/c under MEL
24. When the propeller is removed from an engine entry for removal of propeller shall be made in
- 1) Engine log book only
  - 2) Concerned engine & propeller log book
  - 3) **As in b & a/c log book also**
25. When any modification is carried out on an a/c it is duty of concerned operator to intimate
- 1) Manufacture
  - 2) DGCA
  - 3) **None of the above is correct but regulatory authority of the country of manufactured**
26. Mark the correct statement regarding alert values of components or system it means
- 1) Minimum deviation from the normal operating limit
  - 2) values are within the acceptable limit
  - 3) **For reference only to indicate that corrective maintenance action in required**

27. . The operators must comply with requirement relating to ETOPS in the following circumstances
- 1) whenever flying circumstances
  - 2) Whenever flying over water more than 120 NM
  - 3) **whenever flying beyond a distance corresponding to 120 minutes flight from an airport**
28. Hot air balloons used for personal flying by pilot need not have a type certificate and is issued with Certificate of Airworthiness in
- 1) normal category, subdivision – private
  - 2) **special category, subdivision – experimental**
  - 3) aerobatic category, subdivision – racing
29. MTCS
- 1) reciprocating engines must be completely stripped, thoroughly inspected, reassembled and tested at least once in 10 yrs
  - 2) **as in (a) manufacturer laid down overhaul periodicity on calendar basis between two consecutive overhaul, prevails**
  - 3) overhauling done in 6 years
30. A/c may fly with invalid Certificate of Airworthiness
- 1) Certificate of Airworthiness suspended away from the base & fly to the base
  - 2) **a/c fly for the purpose of test flight within the vicinity of departing aerodrome**
  - 3) after inspection carried out by QCM & special permission given by DGCA
31. The renewal of Indian licenced AME in Singapore is done by
- 1) **DGCA Headquarters-India**
  - 2) A/W authority of any ICAO approved country
  - 3) Aviation authority of that country in Singapore
32. Mark the incorrect statement
- 1) Hoses should be uncoiled
  - 2) **Tire must be stored vertically at 3 points on tread**
  - 3) Temp of storage of hoses 50° f 70° f
33. The operator can change the maintenance practice of a component from condition to condition monitoring or vice versa such a program will have to be
- 1) accepted by manufacturer
  - 2) approved by DGCA Head Quarters
- 3) **approved by RAO**
34. NDT lines under which class of CAR 145 organisation
- 1) non destructive testing rating only
  - 2) NDT is applicable component + DGCA manufacture
  - 3) **both a and b**
35. CAR 145 approved maintenance organization with a category APU class rating may carry out maintenance
- 1) organization with an approval class rating in Cat. B
  - 2) **organization with an approval class rating in Cat. A**
  - 3) maintenance procedure and workshop
36. What is the service life of rubber parts and valve sheets?
- 1) maximum 6 years from the cure date
  - 2) more than 4 years
  - 3) **maximum service life sheets shall not exceed 4 years**
37. Aircraft is landed and the engine is shutdown in parking runway when will responsibility to park the aircraft
- 1) **duty operator**
  - 2) duty owner of aircraft
  - 3) both a and b
38. For an imported aircraft, DGCA shall issue Certificate of Airworthiness of aircraft if ,
- 1) application includes a statement signed by the exporting authority that Aircraft conforms to design approved by authority
  - 2) **As in (a) and documents required as per CAR-21 sub H**
  - 3) The aircraft conforms to approved design of manufacturer and is in condition for safe operation.
39. Regarding noise certificate
- 1) It is valid for 1 year
  - 2) It is valid for unlimited duration
  - 3) **As in 2) subject to compliance with applicable type –design & environment protection requirements**
40. A CAR 145 approved maintenance organization with cat 'B' may carryout maintenance
- 1) on an installed engine during base & line maintenance
  - 2) NDT on products containing NDT producers
  - 3) **both a)&b)**