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JAYA GROUP OF INSTITUTIONS

THIRUNINRAVUR

6TH SEM - B.E/B.TECH

INTERNAL ASSESSMENT- II (MODEL EXAMINATION-II)

**SUB NAME: AIRCRAFT GENERAL ENGINEERING &
MAINTENANCE PRACTICES**

DATE: 05-03-2015

SUB CODE/NAME: AE-2022

DEPT: AERONAUTICAL

TIME: 3:00 HOURS

MAX. MARKS: 100

PART-A 10X2= 10

1. What is flight safety?
2. What do you know by airworthiness directive?
3. Define shop safety
4. State the precaution to be taken before starting electrical work in aircraft industry
5. What are the inspection techniques followed in aircraft Maintenance?
6. Enumerate the various Logbooks of an aircraft maintenance Industry.
7. Explain the role of FOD in affecting the flight safety
8. What is type certificate data sheet?
9. What are the bulletins?
10. What does environmental cleanliness refer to?

PART-B

5X16= 80

- 11 (a) (i) Explain chemical oxygen generators
(ii) Explain about the service and maintenance of oxygen systems
Or
(b) Elucidate in detail about various NDT techniques
- 12 (a) Describe MSDS
Or
(b) Explain in detail about the FACTOR
- 13 (a) Explain ATA specifications
Or
(b) Explain the special inspection carried out during "hard or overweight landing" and the aircraft had passed through "severe turbulence"
- 14 (a) Prepare a Checklist for maintenance of Airbus A320.

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Or

(b) Write short notes on

- i. Mandatory Modifications (4)
- ii. Maintenance manual (4)
- iii. overhaul manual (4)
- iv. structural repair manual (4)

15. (a) Explain the safety precaution observed during refueling of aircraft

Or

(b) Write short notes on:

- i. Type certificate data sheet (10)
- ii. Safety around Compressed Gases (6)