

**EIGHTH SEMESTER B.TECH DEGREE EXAMINATION, JANUARY 2017**  
**(2013 SCHEME)**

**13.805.3 AIRCRAFT SAFETY RULES AND REGULATIONS (S)**

Time: 3 Hours

Max.Marks:100

*N.B: Answer all questions from PART- A and any one question from each module in PART-B.*

**PART – A**

1. Mention the various procedures for airworthiness requirement.
2. What do you mean by MEL ?
3. Write any two uses of cockpit check list?
4. Briefly explain about CDL.
5. What do you mean by FDR?
6. Write any two procedure for defect recording in an aircraft.
7. Briefly explain about on condition maintenance .
8. What do you mean by AMO ?
9. Define the term Airworthiness.
10. Define C of A?

**(10\*2=20)**

**PART – B**  
**MODULE 01**

- 11 (a) Explain in detail responsibility of owners /operator. **(12)**  
(b) Write any four procedures for the over sight engineering activities that are takes place an aircraft? **( 8)**

**(Or)**

- 12 (a) Explain in detail about Issue approval of cockpit check list, MEL. **(10)**  
(b) What are the basic procedures for the promulgation of CAR? **(10)**

**MODULE 02**

- 13(a) Explain in detail about Analytical study of in-flight readings & recording **(10)**

- (b) Explain about Reporting and rectification of defects observed on aircraft **(10)**

**(Or)**

14(a) Explain in detail about the Reliability Programmes (Engines) based in CAR D. **(10)**

(b) What are the procedures considered for on condition maintenance of reciprocating engines **(10)**

**MODULE 03**

15(a) What are basic procedures relating to registration of an aircraft according to CAR F? **(10)**

(b) Explain in detail about the Approval of organizations in categories C, based on CAR E. **(10)**

**(Or)**

16(a) Mention and explain the requirements for renewal of certificate of airworthiness. **(10)**

(b) Explain about requirements of infrastructure at stations other than parent base. **(10)**

**MODULE 04**

17.(a) Explain detail about Flight testing of (Series) aircraft for issue of C of A **(20)**

**(Or)**

18. (a) Explain in detail about the Issue of AME License, its classification and experience requirements

**(20)**