Mid Semester Examination, MAY, 2017

Program/course: MBA Aviation Management	**Semester –** **II**
Subject: Aviation Safety and Security Management	**Max. Marks : 100**
Code : MDSA 813	**Duration : 3 Hrs**
No. of page/s: Two	

Section-A
(Attempt all the questions)   10 X 2= 20 Marks

1. Define Reliability

2. Define Hazard

3. Define Dangerous Goods

4. Write the ICAO Annex number for dangerous goods transportation

5. Write differences between QMS and SMS

6. What are the differences between IOSA and LOSA

7. Which are the aircraft dimensions that determine the aerodrome category for the purpose of level of protection?

8. Write four indicators of reliability.

9. What is the difference between maintainability and availability

10. What are TCAS, ILS, GPWS and ALoSP.

Section-B
(Attempt all the questions)   4X 5= 20 Marks

1. What are the objectives of ARFF and how these are achieved?

2. Write a brief on the safety risks involved in aircraft handling in apron and how these are mitigated.

3. Write a brief on the "Technical Instructions" of ICAO for Dangerous Goods Transportation.

4. Write a brief on "mismatches" as per SHEL concept?

1. Explain the need for aerodrome emergency planning procedures and agencies involved during such planning and during the emergency.

2. What are the mitigating measures to avoid / minimize the accidents due to the vehicular movements on airside?

3. Write ten operating characteristics of LOSA with brief notes.

1. What are ICAO SARPs? Write differences between them. Give one example of the SARPs. What are the aspects of aviation that are covered in the SARPs? How are these developed by ICAO? Why SARPs are effective.

2. Differentiate between accident, incident and serious incident. Write at least two examples of accident, incident and serious incident that were reported in the last 5 years. What are the high risk accident categories and the reasons for the same to be classified under this category?