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MASTER OF BUSINESS ADMINISTRATION  
(AVIATION BUSINESS MANAGEMENT)  
(MBAAVBM)

Term-End Examination

June, 2013

MAV-003 : AIRPORT OPERATIONS AND  
SERVICES MANAGEMENT

Time : 3 hours

Maximum Marks : 100

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*Note : Answer any five questions. All questions carry equal marks.*

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1. Explain in detail the airport traffic throughput forecasting process. 20
  
2. (a) What are the factors to be considered while calculating and finalising the runway length of an Airport ? 10
  
- (b) The length of runway under standard condition is 1500m. The Airport site elevation is 250m. The reference temperature is 35°C. If the runway is to be constructed with an effective gradient of 0.18 percent, determine the correct length of runway to be constructed. 10

3. Name the different imaginary surfaces in and around the operational Airport. Explain in detail the characteristics and importance of these surfaces with the support of drawings. 20
4. What are the basic parameters for apron planning ? Explain in detail, the different types of Aprons. 20
5. Explain the environmental impact assessment during the construction of an airport. Also explain the process of environmental impact identification and mitigation. 20
6. Write short notes on : 5x4=20
- (a) VIP facilitation
  - (b) Unseen dangers while driving in the air side
  - (c) Shippers instructions
  - (d) Classification of airports
  - (e) Different Airport ownership models
7. Explain in detail, warehousing, clearly mentioning the need of warehousing, types of warehouse storage systems, characteristics of ideal warehouses, functions of warehouses and advantages of warehousing. 20
8. Explain in detail the Radio Telephony Procedures. 20