

**ADVANCED DIPLOMA IN AIRPORT
OPERATION MANAGEMENT (ADAOM)**

Term-End Examination

December, 2011

**MAV-018 : AIRPORT TERMINAL OPERATIONS
AND CAPACITY MANAGEMENT**

Time : 3 hours

Maximum Marks : 100

Note : There are *two* parts. Part (A) - Answer *any five* questions. Each 5 marks. Part (B) - Answer *any three* questions. 25 marks each.

PART - A

1. Explain in brief the basic working principle of an IC Engine. 5
2. Describe apron safety line. 5
3. Explain the braking system in an automobile. 5
4. Explain one of terminal building concepts with its advantages and disadvantages. 5
5. What are the pre-requisites for obtaining an ADP ? 5

6. Briefly explain the best practices followed while communicating a message through radio telecommunication. 5
7. Write short notes on *any three* : 5
- (a) Runway and Taxiway
 - (b) Transporter Concept
 - (c) Over carrier Bags
 - (d) CIPs Handling
 - (e) Braking system

PART - B

8. List out the stake holders and their respective needs, considered while designing a terminal layout. 25
9. Discuss the various terminal design concepts stating their respective advantages and disadvantages. 25
10. Explain the following :
- (a) Measures taken for driving at night and in poor visibility conditions at airside of an airport. 10
 - (b) Jet blast effects and associated risks, precautionary measures taken to avert such dangerous situations at airside. 15
11. List and explain the different markings on the movement area. 25
12. Explain how an unaccompanied minor is handled from originating airport till the passenger reaches final destined airport, sequentially. 25
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