



Name:

Enrolment No:

UPES

End Semester Examination, May 2024

Course: MBA AVM

Program: Airport Operation Management

Course Code: TRAV7010

Semester: 2

Time: 03 hrs.

Max. Marks: 100

S. No.		Marks	CO
Q 1	Define Aerodrome Beacon	2	CO1
Q2	Runway length 1200 m up to but not including 1800 m is an Aerodrome Category with Code No a. 1 b. 2 c. 3 d. 4	2	CO1
Q3	ACAP is defined as a. Airport Capacity for Airport Planning b. Aircraft Characteristics for Airport Planning c. Apron Capacity for Airport Planning d. None of the Above	2	CO1
Q4	1 Nautical Mile is equal to how much KM?	2	CO2
Q5	AOBT Denotes: a. Actual Off Block Time b. An Off Block Time c. Aircraft On Block Time d. Aircraft Over Block Time	2	CO1
Q6	ATOT is denoted as?	2	CO2
Q7	Define Runway Strip	2	CO2
Q8	Code F Aircraft Wingspan: a. 15 m up to but not including 24m. b. 36 m up to but not including 52m. c. 24 m up to but not including 36m. d. 65 m up to but not including 80m.	2	CO2

Q9	SMS is dealt with ICAO Annexure: a. Annex 14 b. Annex 19 c. Annex 18 d. Annex 17	2	CO1
Q10	Minimum Runway Inspection Frequency done at: a. Dawn, Morning, Afternoon & Dusk b. Dawn, Early Morning, Post 1pm, Before sunset c. Before Sunrise & After Sunset d. Dawn, Afternoon & Dusk.	2	CO1
SECTION B 4Qx5M= 20 Marks			
Q 11	Illustrate three Areas in an Airport responsible for generating Non - Aeronautical Revenue?	5	CO2
Q 12	Discuss the usage of EMAS at a runway.	5	CO3
Q 13	What is A-CDM and identify any three key locations where it can be implemented with real life examples.	5	CO2
Q 14	How does Vortices encourage Reduced Runway Capacity & Increases occupancy time.	5	CO2
SECTION-C 3Qx10M=30 Marks			
Q 15	Illustrate 5 core functions of AOCC	10	CO3
Q 16	Taking into account Airport Peak Hours. Discuss the basic difference between Busiest Timetable Hour and Peak Profile Hour.	10	CO3
Q 17	Derive any five core functions of Airside Safety Department at an Aerodrome.	10	CO3
OR			
Q 18	What Is TORA, TODA, ASDA & LDA of a Runway. Define All individually.	10	CO3
SECTION-D 2Qx15M= 30 Marks			
Q 19	Illustrate the functions of below mentioned areas at Terminal. a. Direct passenger services. b. Airline-related passenger services. c. Governmental activities. d. Non-Passenger related airport authority functions. e. Airline functions	15	CO4

Q 20	Analyze the Functions of below Mentioned Departments at an Aerodrome a. Air Traffic control services. b. General Aviation c. Cargo Handling	15	CO4
OR			
Q 21	Derive the Concept of Friction Test on Concrete Runway taking into account, Friction Test Procedure, Coefficient of friction values and method to remove rubber from runway.	15	CO4