

Name:			
Enrolment No:			
UPES End Semester Examination, Dec 2024			
Course: MBA AVM Program: Airport Planning & Management Course Code: TRAV 7002		Semester: 1 Time : 03 hrs. Max. Marks: 100	
SECTION A 10Qx2M=20Marks			
S. No.		Marks	CO
Q 1	Sr No 5 of Aircraft Act 1934 states: a. Power of Central Government to exempt certain aircraft. b. Power of Central Government to make rules to implement the Convention of 1944 c. Power of Central Government to make rules. d. Power to issue directions.	2	CO1
Q2	ICAO Annex 17 deals with a. Security b. SMS c. Aerodrome Design & Ops d. Environmental Protection	2	CO1
Q3	When did ICAO come into existence?	2	CO1
Q4	Code F Aircraft Wingspan: a. 65 m up to but not including 80m. b. 24 m up to but not including 36m. c. 36 m up to but not including 52m. d. 15 m up to but not including 24m.	2	CO2
Q5	When was Tokyo Convention signed?	2	CO3
Q6	Quantitative Methods doesn't include? a. Time Series b. Causal Model c. Trend Analysis d. Delhi Method	2	CO1
Q7	Backscatter Screening runs on a. Xray b. Xray ionizing radiation. c. CT Scan	2	CO1

	d. None of the above.		
Q8	Airport and Airway Development Act came in. a. 1947 b. 1914 c. 1970 d. 1945	2	CO2
Q9	Rescue and Fire Fighting is dealt under. a. Doc 9137 Airport Service Manual – Part 5 b. Doc 9137 Airport Service Manual – Part 2 c. Doc 9137 Airport Service Manual – Part 1 d. Doc 9137 Airport Service Manual – Part 8	2	CO2
Q10	What does code No 3 in Aerodrome Reference code stand for a. Runway length less than 800 m. b. Runway length 1200 m up to but not including 1200 m c. Runway length 1800m and above d. None of the above	2	CO2
SECTION B 4Qx5M= 20 Marks			
Q 11	What is NOTAM & state its importance in Aviation	5	CO2
Q12	Illustrate any five Socioeconomic Factors affecting Airport Planning.	5	CO3
Q13	Explain Chicago Convention structure?	5	CO2
Q14	Discuss Airline De-Regulation Act.	5	CO3
SECTION-C 3Qx10M=30 Marks			
Q15	Elaborate the three distinct approach design to achieve effective Airport Security.	10	CO3
Q16	Explain in Detail the various forms of impact that Airport has on Environment?	10	CO3
Q17	Illustrate the concept of ‘Wind Rose’ and Its impact on Runway Orientation/ Site Selection & Aerodrome Capacity. OR Under the concept of Airport Ownership and Operation, explain Municipal Operated Airport , State Operated Airport & Port Authorities.	10	CO3
SECTION-D 2Qx15M= 30 Marks			
Q 18	Illustrate a. Difference between Aerodrome Layout & Grid Map b. ROT c. Runway Guard Light	(3 x 5 = 15) 15	CO4

	<p>d. RET e. Runway Transitional surface.</p>																		
Q 19	<p>Explain in Detail (7.5 x 2 = 15)</p> <p>a. Explain five differences between among AFFF & FFFP (Extinguishing Agents for Fire). b. Explain all three Degrees of alert under preparation of Airport Emergency Situation.</p> <p style="text-align: center;">OR</p> <p>Taking Below Image into consideration create : Time space for mixed use operating capacity of runway serving arrival / Departure of Large Aircraft.</p> <p>(Note: Achieve mixed use capacity of 60 operations/Hour for RWY)</p> <div style="border: 1px solid black; padding: 10px; margin: 10px auto; width: fit-content;"> <p style="text-align: center;">Table 12-2 Required Longitudinal Separations for Arriving Aircraft to a Single Runway When Performing under IFR (Distances in Nautical Miles)</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Lead/Lag</th> <th style="text-align: center;">Small</th> <th style="text-align: center;">Large</th> <th style="text-align: center;">Heavy</th> </tr> </thead> <tbody> <tr> <td>Small</td> <td style="text-align: center;">3</td> <td style="text-align: center;">3</td> <td style="text-align: center;">3</td> </tr> <tr> <td>Large</td> <td style="text-align: center;">4</td> <td style="text-align: center;">3</td> <td style="text-align: center;">3</td> </tr> <tr> <td>Heavy</td> <td style="text-align: center;">6</td> <td style="text-align: center;">5</td> <td style="text-align: center;">4</td> </tr> </tbody> </table> </div>	Lead/Lag	Small	Large	Heavy	Small	3	3	3	Large	4	3	3	Heavy	6	5	4	15	CO4
Lead/Lag	Small	Large	Heavy																
Small	3	3	3																
Large	4	3	3																
Heavy	6	5	4																