


Name:	 UPES <small>UNIVERSITY OF TOMORROW</small>
Enrolment No:	

UPES	
End Semester Examination, Dec 2023	
Course: MBA AVM	Semester: 1
Program: Airport Planning & Management	Time : 03 hrs.
Course Code: TRAV 7002	Max. Marks: 100
Instructions:	

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 19 deals with a. Security b. SMS c. Aerodrome Design & Ops d. Environmental Protection	2	CO1
Q3	When did ICAO became the part of UNO?	2	CO1
Q4	Code C 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	Which is not a part of Quantitative Forecasting Method a. Casual Model b. Delphi Method a. Time Series b. Trend Analysis	2	CO3
Q6	Full form a. ARFF b. TRA	2	CO1
Q7	Backscatter Screening runs on a. Xray	2	CO1

	b. Xray ionizing radiation. c. CT Scan 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	When was Tokyo Convention signed?	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?	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 all five Elements associated with Airport Master Plan. 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	For Runway's Imaginary Surfaces illustrate: a. Conical Surface b. Approach Surface c. Transitional Surface <i>(Note: Compulsory Diagram.)</i>	15	CO4
		(5 x 3 = 15)	

Explain in Detail

(7.5 x 2 = 15)

- a. Explain five differences between among AFFF, FluoroProtein Foam & FFFP (Extinguishing Agents for Fire).
- b. Explain all three Degrees of alert under preparation of Airport Emergency Situation.

OR

Taking Below Image into consideration create : Time space for mixed use operating capacity of runway serving arrival / Departure of Large Aircraft.

Q 19

(Note: Achieve mixed use capacity of 60 operations/Hour for RWY)

15

CO4

Table 12-2 Required Longitudinal Separations for Arriving Aircraft to a Single Runway When Performing under IFR (Distances in Nautical Miles)

Lead/Lag	Small	Large	Heavy
Small	3	3	3
Large	4	3	3
Heavy	6	5	4