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B.Sc. AVIATION, HOSPITALITY & TRAVEL TOURISM (761)
EXAMINATION: DECEMBER - 2024
FIRST SEMESTER

Subject : Introduction to Airport & Functions of Airlines (761102)

Date: 26/12/2024

Total Marks: 60

Time: 10.00 am to 12.30 pm

Instructions: 1) Each question carries equal marks.
2) Attempt any 06 questions

Q. 1 Define the Following Terms (10)

- a. Low Cost Carriers
- b. Commercial Service Airports
- c. Runway & Taxiway
- d. Domestic Airport
- e. Air Traffic Control
- f. Narrow Bodied Aircraft
- g. Hub & Spoke System
- h. Passenger Mix in Aviation
- i. Pre Boarding Security Procedures
- j. Baggage Reconciliation System
- k. Behavior-Based Screening
- l. Name Innovations and Future Trends in Airport Security Programs

Q. 2 Answer any one of the Following: (10)

- a. How do Airlines Handle Hijacking?
- b. Why is Flight Deck Door so important?

Q.3 Answer any one of the Following: (10)

- a. Explain in Detail Airline Security Programmes
- b. Write in detail Business model used by low cost carriers

Q.4 Answer any one of the Following: (10)

- a. Write in brief the Key Components of Airport Security Technology and Systems
- b. What are the major challenges in Airport Access Control?

Q. 5 Answer any one of the Following: (10)

- a. Benefits of Security Training for Airport Personnel
- b. Key Components of a Risk-Based Security Approach

Q. 6 Answer any one of the Following: (10)

- a. Explain The International Aviation Safety Assessment (IASA) Program
- b. Explain the main functions & Types of Air Traffic Control

Q.7 Answer any one of the Following: (10)

- a. Write a brief note on Navigational Aids and its types and how they assist the pilot.
- b. Explain in brief Steps in the Controlling Process at an Airport

Q.8 Fill in the Blanks with Correct Answers. (10)

- a. Personnel are issued _____ with embedded smart chips, which must be scanned to grant access to restricted areas.
 - i. ID Badges
 - ii. Smart Cards
 - iii. Facial Recognition
 - iv. Fingerprint Scan
- b. Airports use _____ extensive _____ networks of _____ cameras to monitor sensitive areas, including perimeters, terminals, and gates.
 - i. Motion Sensors
 - ii. Intrusion Detection Systems
 - iii. Closed-Circuit Television (CCTV)
 - iv. Ground Radar
- c. _____ is used to identify known individuals on watch lists or verify passenger identities during check-in and boarding, facial recognition systems enhance security while speeding up the boarding process.
 - i. Video Analytics
 - ii. Facial Recognition System
 - iii. CCTV
 - iv. License Plate Recognition (LPR)System
- d. Airports use _____ systems to monitor vehicles entering and leaving the airport, providing an extra layer of security in identifying unauthorized vehicles in restricted areas.
 - i. Video Analytics
 - ii. Facial Recognition System
 - iii. CCTV
 - iv. License Plate Recognition (LPR)System
- e. An _____ is an aerodrome with extended facilities, mostly for commercial air transport.
 - i. Airport
 - ii. Runway
 - iii. Ramp
 - iv. Terminal
- f. _____ Provide regular, scheduled flights to various destinations, both domestic and international, enabling the movement of passengers
 - i. Cargo Services
 - ii. Passenger Services
 - iii. Scheduled Passenger Services
 - iv. Ground Transportation

- g. Various passenger _____ such as restaurants, shops, lounges, hotels, conference centers, and sometimes entertainment options.
- i. Amenities
 - ii. Security
 - iii. Accessibility
 - iv. Terminal
- h. _____ is an example of a low cost carrier
- i. Emirates Airlines
 - ii. Singapore Airlines
 - iii. Ryan Air
 - iv. Air India
- i. _____ is an example of a Full service carrier
- i. Emirates Airlines
 - ii. Indigo Airlines
 - iii. Ryan Air
 - iv. Air Arabia
- j. _____ typically operate flights that are not part of a regular schedule but are arranged as needed by groups, companies, or travel agencies.
- i. Full Service Carriers
 - ii. Low Cost Carriers
 - iii. All service Airlines
 - iv. Charter Carriers
- _____