

Air Transportation

P. Pages : 2

Time : Three Hours



KNT/KW/16/7643

Max. Marks : 80

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- Notes :
1. All questions carry marks as indicated.
 2. Solve Question 1 OR Questions No. 2.
 3. Solve Question 3 OR Questions No. 4.
 4. Solve Question 5 OR Questions No. 6.
 5. Solve Question 7 OR Questions No. 8.
 6. Solve Question 9 OR Questions No. 10.
 7. Solve Question 11 OR Questions No. 12.
 8. Due credit will be given to neatness and adequate dimensions.
 9. Assume suitable data whenever necessary.
 10. Diagrams and chemical equations should be given whenever necessary.
 11. Illustrate your answers whenever necessary with the help of neat sketches.
 12. Use of non programmable calculator is permitted.

1. a) List out the responsibilities of FAA. **6**
b) Explain the functions of management. **7**

OR

2. Explain in detail, the development of air transportation, also compare with other mode of transportation. **13**
3. a) Explain in detail about fleet planning. **7**
b) What is the operating cost and load factor? **7**

OR

4. What is the influence of geographical economic & political factors on routes and route selection? **14**
5. a) What is fleet commonality? Explain in detail. **7**
b) Describe in detail about aircraft evaluation. **6**

OR

6. a) Write the factors affecting choice of fleet route selection and capital acquisition. **7**
b) Describe about Aircrew evaluation. **6**
7. a) Explain the ground operation and facilities. **7**
b) What is equipment maintenance? **6**

OR

8. a) Explain the mission of scheduling. **6**
b) Describe in detail about hub & spoke scheduling. **7**
9. a) Explain the aircraft maintenance schedule and its determination. **7**
b) Explain the condition monitoring maintenance. **7**

OR

10. a) Explain ageing aircraft maintenance production. **7**
b) Explain (EROPS) Extended range operation. **7**
11. a) Explain the equipment and tools for aircraft maintenance. **7**
b) Explain on board maintenance systems. **6**

OR

12. a) Write in detail about current capabilities of NDT in aircraft maintenance. **7**
b) Explain aircraft weight control. **6**
