

Elective - II : Mainframe Technologies

P. Pages : 2

Time : Three Hours



NKT/KS/17/7497

Max. Marks : 80

- 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.

1. a) Explain evolution of mainframe computer. 7
b) What are key features of mainframe. Explain. 6

OR

2. a) Explain basic IBM mainframe architecture, in detail. 7
b) What are MVS storage & control Blocks. 6
3. a) Explain z/OS operating system in detail. 8
b) What is VSAM? State its advantages & Disadvantages. 6

OR

4. a) Explain Data organization of VSAM. 6
b) Write short note on.
i) CLUSTER. 4
ii) Buffer management. 4
5. a) What is Job control language (JCL)? Explain JCL statements & procedure. 7
b) Explain data definition statements in JCL. 6

OR

6. a) Explain In-stream and catalog procedure in brief. 6
b) Write short note on.
i) SORT / MERGE utilities. 4
ii) IBM utility programs. 3

7. a) What is the need of picture clause in COBOL. 4
b) Explain the structure of COBOL program. 5
c) What are the different features of COBOL. 4

OR

8. Explain following clauses with example.
i) Redefine. 4
ii) Rename. 4
iii) Usage. 5
9. a) What are different file organization in COBOL? Explain one of them in detail. 8
b) What is Table handling? Explain occur clause with example. 6

OR

10. a) Explain sort & merge verb with proper syntax & example. 6
b) Write short note on.
i) String. 4
ii) Inspect. 4
11. a) Explain hocking & concurrency in brief. 6
b) What is DB2? Explain DB2 interfaces? 7

OR

12. Write short note on.
i) Cursor programming. 5
ii) Embedded SQL programming. 4
iii) SQL execution validation. 4
