

B.E. Fourth Semester (Computer Technology) (C.B.S.)  
**Introduction to Main Frame Languages Paper - V**

P. Pages : 2

Time : Three Hours



**KNT/KW/16/7292**

Max. Marks :80

- Notes :
1. All questions carry marks as indicated.
  2. Solve **SIX** questions as follows:
  3. Solve Question 1 OR Questions No. 2.
  4. Solve Question 3 OR Questions No. 4.
  5. Solve Question 5 OR Questions No. 6.
  6. Solve Question 7 OR Questions No. 8.
  7. Solve Question 9 OR Questions No. 10.
  8. Solve Question 11 OR Questions No. 12.
  9. Due credit will be given to neatness and adequate dimensions.
  10. Illustrate the answers with necessary figures/drawings wherever necessary.
  11. Assume suitable data whenever necessary.

1. a) Differentiate between micro, mini, mainframe and supercomputer. **8**  
b) Write short note on: Evolution of mainframe computers. **6**  
**OR**
2. a) Explain the concept of swapping in mainframe. **5**  
b) Explain Data management in mainframe. **5**  
c) Explain batch processing in Mainframe. **4**
3. a) What are the program execution modes in Z/OS? Explain in detail. **7**  
b) Explain MVS address space. **6**  
**OR**
4. Write short note on:-  
1) Catalog **4**  
2) VTOC **4**  
3) Direct Access storage Device (DASD) **5**
5. a) Explain JOB statement in JCL. **4**  
b) Explain in brief IBM utility programs. **6**  
c) Explain the structure of JCL statements. **3**  
**OR**
6. a) Explain in brief JCL procedures. **7**  
b) Explain following statements. With example. **6**  
1) EXEL 2) DD

7. a) Define the following terms:- 4  
 1) Division  
 2) Section  
 3) Paragraph  
 4) Statements.
- b) Explain structure of COBOL program. Also explain all the four divisions of COBOL with their syntaxes. 9

**OR**

8. a) Explain following clauses with proper example. 6  
 1) RENAME  
 2) REDEFJNE
- b) Write a program to display following information about 5 employees. 7

<u>Position</u>	<u>Description</u>
1-6	Emp no (numeric)
7-30	Emp name (alphanumeric)
31-40	Emp id (alphanumeric)
41-43	Dept. (alphanumeric)

9. a) Explain the use of following level numbers: 66, 88, and 77. 6
- b) Write a COBOL program to create sequential file for student database, record fields are roll-no, name, branch, semester, also display student information. 7

**OR**

10. a) Explain SORT and MERGE verb in COBOL with example. and syntax. 6
- b) Write a program to create account table with 3 fields acc\_no, acc\_name, and amount. using occur clause, search a table to display a record with particular name. 7

11. a) Explain the COBOL coding standard. 6
- b) Explain various program execution methods. 8

**OR**

12. a) Explain the relation between a COBOL file handling program and JCL. 7
- b) Explain Database request module in detail. 7

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