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P. Pages : 2

Time : Three Hours

**NJR/KS/18/4636**

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.
 8. Due credit will be given to neatness and adequate dimensions.
 9. Illustrate your answers whenever necessary with the help of neat sketches.

1. a) What is data set? Explain data set management in main frames. 4
b) Write benefits of main frame computer. 3
c) Explain what is main frame operating system. Enlist its advantages with application. 6

OR

2. a) What are MVS storage & control Blocks. 6
b) Explain basic IBM mainframe Architecture. 7
3. a) List several defining characteristics of the Z/OS operating system. 7
b) Explain the role of CICS in online transaction process. 7

OR

4. a) Explain in detail Z-OS operating system. 8
b) Write down the advantages and disadvantages of VSAM. 6
5. a) Explain the Job control language along with its structure. 7
b) Write short note on SORT/MERG utilities. 6

OR

6. a) Explain In-stream and catalog procedure in brief. 6
b) Explain various statements in Job Control Language. 7
7. a) Explain in detail DATA DIVISION along with the complete syntax. Elaborate on the importance of FILE SECTION and WORKING STORAGE SECTION. 6

- b) Explain different COBOL conditional statement. 7

OR

8. a) What is picture clause? Explain various picture characters & editing characters in COBOL. 7

- b) Explain arithmetic verb of COBOL with example. 6

9. a) Explain Cobol Evaluation? 7

- b) What is table handling? Explain occur clause with example. 6

OR

10. a) Define DB2 objects and data types along with example. 6

- b) What are different file processing techniques in COBOL. State each in detail. 7

11. a) Write short note on.

- a) Cursor programming. 5

- b) Buffering. 4

- c) Locking and concurrency. 5

OR

12. a) Explain Hocking & concurrency in brief. 7

- b) State functions of the IMS database manger. 7



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It's hard to beat a person who never gives up.

~ Babe Ruth

