

SUBJECT CODE:- 415
FACULTY OF ENGINEERING AND TECHNOLOGY
B.E.(CSE/IT) Examination Nov/Dec 2015
Elective-I: Introduction to Mainframe System
(OLD)

[Time: Three Hours]

[Max. Marks: 100]

“Please check whether you have got the right question paper.”

N.Bi) Solve any three questions from each section.

ii) Figures to the right indicate full marks.

Section A

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| Q.1 | a) Explain classification of computers | 08 |
| | b) Describe sequential and partial data set. | 08 |
| Q.2 | a) Explain storage manager of Z/OS | 08 |
| | b) How virtual storage addressing works in Z/OS | 08 |
| Q.3 | a) Explain following about VSAM | 08 |
| | i) Entry sequenced data set | |
| | ii) Key sequenced data set | |
| | b) Explain following mainframe system: | 08 |
| | i) s/360 ii) ESA/390 iii) z/10 | |
| Q.4 | a) What is JCL? Explain various JCL statements in JCL. | 08 |
| | b) Describe batch processing in mainframe | 08 |
| Q.5 | Write short note on (any three) | 18 |
| | i) Record format | |
| | ii) Mainframe operating systems | |
| | iii) Program execution modes | |
| | iv) DASD. | |

Section-B

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|------|---|----|
| Q.6 | a) Describe features of COBOL programming language | 08 |
| | b) Explain basic input and output in COBOL using following verbs. | 08 |
| | i) DISPLAY | |
| | ii) ACCEPT | |
| Q.7 | a) Explain relation between COBOL file handling and JCL. | 08 |
| | b) Describe mainframe application development guide lines. | 08 |
| Q.8 | a) Explain COBOL file handling | 08 |
| | b) Write a program to demonstrate TABLE verb. | 08 |
| Q.9 | a) Explain types of DB2 SQL statements | 08 |
| | b) Briefly explain database service components and locking service components | 08 |
| Q.10 | Write short note on (any three) | 18 |
| | i) SORT and MERGE verb | |
| | ii) Steps in executing COBOL program | |
| | iii) SPOFI | |
| | iv) DB2 object | |