MC-3752

Second Year B.C.A. (Sem. IV) Examination
September / October - 2013
Paper - 402 : Software Engineering - II

Time : 3 Hours]　　　　　　　　　　　　　　　[Total Marks : 70

Instructions :

(1)

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નીચે દર્શાવેલ 👈 નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fillup strictly the details of 👈 signs on your answer book.
Name of the Examination :
👈 Second Year B.C.A. (Sem. 4)
Name of the Subject :
👈 Paper - 402 : Software Engineering - 2
👈 Subject Code No. : [3] [7] [5] [2]   👈 Section No. (1, 2,.....) : [NIL]
```

Seat No. :

Student's Signature

(2)　Figures on the right indicate marks.

(3)　Take assumption whenever necessary.

1 Answer in short : (any **seven**)　　　　　　　　　14
- (i) Define mnemonic code.
- (ii) Explain code design.
- (iii) What is reliability ?
- (iv) What is decision table ?
- (v) What is partitioning ?
- (vi) What is "batch total" ?
- (vii) Give disadvantage of modular programming.
- (viii) Define Error, Fault and Failure.

2 Answer the following : (any **two**)　　　　　　　　14
- (i) Write on principles of code design.
- (ii) Explain Fan in Fan out in detail.
- (iii) Short note on stamp coupling.

3 Answer the following : (any **two**)　　　　　　　　14
- (i) What is the goal of input design and output design ?
- (ii) What is structure chart, how it is different from flowchart ?
- (iii) Define data validation. Give its objectives.

4   Answer the following : (any two)   14
    (i)   Explain system documentation and
          programming documentation in detail.
    (ii) Explain different phases of hardware selection.
    (iii) Explain various documentation methods.

5   (i)   Draw a System Flow Diagram for a Bank System.   10
    (ii) Develop the data dictionary for the same.   4

OR

5   (i)   Draw a System Flow Diagram for School Management   10
          System.
    (ii) Develop the data dictionary for the same.   4

MC-3752]   2   [700]