SA-1899

Third Year B. C. A. (Sem. VI) Examination
March / April - 2011
602 - Information Systems Applications Development

Time : Hours] [Total Marks : **70**

Instructions :

(1)

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┌─────────────────────────────────────────────────┐        Seat No. :
│ નીચે દર્શાવેલ ☛ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.    ┌──┬──┬──┬──┬──┐
│ Fillup strictly the details of ☛ signs on your answer book. │  │  │  │  │  │
│ Name of the Examination :                         └──┴──┴──┴──┴──┘
│ ☛│ T.Y. B.C.A. (SEM. 6)                           
│ Name of the Subject :                             
│ ☛│ 602 - INFORMATION SYSTEMS APPLICATIONS DEVELOPMENT
│                                                   Student's Signature
│ ☛Subject Code No.: │1│8│9│9│ ☛Section No. (1, 2,.....): │NIL│
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(2) Figure on right indicate marks.

1 Answer the following in short : (any **seven**) **14**

    (a) What is candidate system ? Give example.

    (b) Define logical cohesion and procedural cohesion.

    (c) Explain the term hash total and sequence check.

    (d) Define Dichotomous question and Ranking scales question.

    (e) What is background analysis ?

    (f) Which types of information are defined in RFP ?

    (g) Define subsystem.

    (h) Define system maintenance.

2 Answer any **two** : **14**

    (a) Specify the purpose of system testing. What performance criteria are used for system testing discuss ?

    (b) Explain system documentation and programming documentation in detail.

    (c) Explain different phases of Hardware selection.

3   Answer any **two** :   14

(a)   Explain Warnier-Orr Diagram in detail with example.

(b)   Explain Fan in and Fan out in detail.

(c)   Discuss the steps involved in the feasibility study and explain how important the project team in feasibility study is.

4   (a)   What is structure chart ? Explain how it is better   4
          than flow chart.

(b)   Explain why maximum cohesion and minimum   10
      coupling leads to more maintainable system, what are the other attribute to design and influence the system maintainability ?

OR

4   (a)   What are the various fact-finding techniques ?   8
          Discuss the advantage and disadvantage of each of them.

(b)   Write short notes on following : (any **two**)   6

(i)   Data Coupling

(ii)   Stamp Coupling

(iii) Control Coupling

5   (a)   Draw the structure diagram for inventory system.   7
          You are required to provide requirement analysis and module description.

OR

(a)   Draw the structure chart and DFD for insurance   7
      system.

(b)   Explain various documentation methods.   7

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