First Year B.C.A (Semester - II) Examination
Paper - 15BCA112
System Analysis & Design And MIS

Time : Three hours]   [Full Marks - 60

N.B. :   *i)*   *Due Credit will be given to neatness and adequate dimensions.*

   ii)   *Assume Suitable data wherever necessary.*

   iii)   *Illustrate your answer if necessary, with the help of neat sketches.*

   iv)   *Use Blue / Black ink only for writing the answers.*

Q.1   Rewrite the following using correct option.   5

   a)   A ___ system is one which does not intract with it's environment.
   i)   Open   ii)   Closed
   iii)   MIS   iv)   IS

   b)   In a DFD external entities are represented by a _____
   i)   Rectangle   ii)   Circle
   iii)   Elipse   iv)   Dimond

   c)   The ____ model provides a framework for developing process, guided by risk level of the project.
   i)   Waterfall   ii)   Iterative
   iii)   Prototyping   iv)   Spiral

   d)   System testing is process _____
   i)   Find out error   ii)   Improve quality
   iii)   Check system   iv)   All of these

   e)   MIS frame work has a _____
   i)   4   ii)   2
   iii)   3   iv)   5

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Q.2 a) What is role of system Analyst ? Explain responsibility
of system. 6
b) What is SDLC ? Explain in detail. 5

OR

Q.3 a) What is System ? Explain computer based business
system. 6
b) Explain various tools of fact finding. 5

Q.4 a) Explain DFD's case tools with specific example. 6
b) What is Fesibility Study ? Explain various types of
fesibility study. 5

OR

Q.5 a) Explain role of data is business. 5
b) What is structure methodology ? Explain other
specification tools. 6

Q.6 a) What is System Design ? Give necessary guidlines
for output design. 6
b) Explain module for software designing. 5

OR

Q.7 a) What is prototyping system Analysis ? and write
Difference between 3GLS and 4GLS. 6
b) Explain different types of form used in input &
output design. 5

Q.8 a) Explain how schedule and assigning a task in
implementation of system. 6
b) Explain system testing and quality assurance. 5

OR

Q.9 a) What is Testing ? Explain it's type. 6
b) What is System Maintence ? Explain steps of system
maintenance with the help of a diagram. 5

Q.10 a) What is MIS ? Give & explain various characteristics
of MIS. 5
b) Explain the structure of decision making for MIS. 6

OR

Q.11 a) What is MIS ? Explain MIS frame work. 6
b) Explain various types of MIS. 5

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