RAN-1831

B.Sc. (I.T.) Examination

March / April - 2019

System Analysis & Design (504)

સૂચના : / Instructions

નીચે દર્શાવેલ ☞ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of ☞ signs on your answer book

Name of the Examination:

☞ **B.Sc. (I.T.)**

Name of the Subject :

☞ **System Analysis & Design (504)**

Subject Code No.: | 1 | 8 | 3 | 1 |

Seat No.:

Student's Signature

1. **Answer in short:** **[14]**
   1) List out goals of testing.
   2) Differentiate software and program.
   3) What are different types of coupling?
   4) Define Software Engineering.
   5) Which model is to be followed when time is less?
   6) What is context level diagram?
   7) Give the difference between glass box testing and black box testing.

2. **Answer the following questions: (Attempt any TWO)** **[14]**
   1) Write a note on Data Dictionary.
   2) Discuss Design principles.
   3) Discuss Spiral model in brief.

3. **Answer the following questions: (Attempt any TWO)** **[14]**
   1) Write a note on information gathering technique.
   2) Discuss Software Myths.
   3) Discuss Blackbox testing.

4.   **Answer the following questions: (Attempt any TWO)**   **[14]**
1) Discuss types of condition testing.
2) Write a note on FAST and QFD.
3) Describe Class Diagrams.
4) What is debugging? Discuss various approaches for debugging.

5.   **Answer the following question:**   **[14]**
Draw a data flow diagram (at least up to 2nd level) and data dictionary for any stock management system.

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