



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.:

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Seat No.:

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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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