RAN-1064

Third Year BSc (Computer Science) Sem : 5 Examination

March / April - 2019

Paper - 501 Sub: Software Engineering - 1

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:

☛ **Third Year BSc (Computer Science) Sem : 5**

Name of the Subject :

☛ **Software Engineering - 1**

Subject Code No.: | 1 | 0 | 6 | 4 |

Seat No.:

Student's Signature

Ql. **Answer in short?** **14**

1. What is forward traceability?

2. What is functional independence ?

3. What are various phases in SDLC?

4. Which aspects are considered in feasibility study?

5. Briefly define top-down and bottom-up design model.

6. Define terms functionality and usability of software.

7. What do you mean by terms data hiding and abstraction in software design.

Q2. **Answer the following**

1. Why software design is important for software development? Discuss principles of software design. **06**

2. Discuss components of SRS. Who are stake holders of SRS? **06**

OR

1. Discuss Prototype Model in brief. Compare it with waterfall model. **06**

2. What is software? How it is different from program? Discuss types of software. **06**

Q3. **Answer the following**

1. Draw DFD up to 2nd level for hotel management system. **06**

2. Discuss Data Dictionary in detail. List attributes which are stored in data dictionary for data elements. **06**

OR

1. Discuss software process. Discuss desired characteristics from software processes. **06**

2. Discuss various software management activities in detail. **06**

Q4. **Answer the following (Any three)** **12**

1. Discuss fundamental goals for Software Engineering.

2. Write a short note on use case.

3. List types of interface design. Discuss user interface design guidelines.

4. Discuss Interviews and Document survey techniques for requirement gathering.

5. Write short note on ERD.

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