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RAN-1911000103020001**S.Y.B.C.A. (Sem-III) Examination****January - 2021****302 - Software Engineering - 1****સૂચના : / Instructions**

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

Name of the Examination:

☛ **S.Y.B.C.A. (Sem-III)**

Name of the Subject :

☛ **302 - Software Engineering - 1**Subject Code No.: **1911000103020001**

Seat No.:

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Student's Signature

Q-1. Answer in Short (Any Seven)**[14]**

1. What is Software Engineering?
2. What is functional independence?
3. Define interface design.
4. Explain "Software doesn't wear out" software characteristic.
5. Define Layered architecture
6. Define Temporal Cohesion
7. Define fan in and fan out
8. What is problem analysis?
9. What is real time software?

Q-2. Answer the Following (Any Two)**[14]**

1. Explain generic view of software engineering.
2. Explain different software applications.
3. Explain prototype model with its advantages and disadvantages.

Q-3. Answer the Following (Any Two) [14]

1. Explain Need of SRS in detail.

OR

1. Explain Structure of SRS.
2. Explain QFD in detail.

OR

2. Explain any 2 analysis principles.

Q-4. Answer the Following (Any Two) [14]

1. Explain good design characteristics and design principles.
2. Explain different types of Coupling.
3. Design Concepts.

Q-5. [A] Draw Data Flow Diagram for Hotel Management System. [10]

OR

[A] Draw Data Flow Diagram for Inventory Management System.

[B] Write Data Dictionary for Above DFD. [02]

[C] Write process specification for the above DFD. [02]
