Department of Computer Science and Engineering
NITK Surathkal.

V Sem. B.Tech CSE   CS 300 Mid Semester Examination   22/09/2020 Forenoon Session

Open Book Examination – Answer the following 4 questions – All Questions Carry Equal Marks

1. Propose a software process model for a biometric application system that we can normally find in these days in any organization, wherein, the need for biometric feature can be changed as per the decision of the management or it can even be a multi-biometric model system.

2. How do you distinguish between "factoring" and "refactoring" in software engineering? Apply these two tasks considering a small portion of your mini project work by clearly stating all relevant details.

3. Cohesion and Coupling - how are these two characteristic features relevant (or otherwise) in the context of "service oriented software engineering"?   Give suitable explanation in the context of your mini project work being considered as an example application to use SOSE in the near future.

4. You are aware of "SOLID" principles of software design. Is it possible to extend it so that 'design analytics' can also be incorporated in it? If you say 'yes' how will you do it ? Explain with possible tasks in each of SOLID phases. And how will you re-name SOLID so that some suitability with justification can be given to your efforts.

===