



Advanced Software Engineering (1010)

P. Pages : 2

Time : Three Hours

Max. Marks : 100

Instructions to Candidates :

1. Do not write anything on question paper except Seat No.
2. Answer sheet should be written with blue ink only. Graph or diagram should be drawn with the same pen being used for writing paper or black HB pencil.
3. Students should note, no supplement will be provided.
4. Attempt **any five** questions.
5. Each questions carry equal marks.
6. Black figures to right indicate full marks.
7. Assume suitable data if necessary.

1. a) Explain how software process factors influence software quality and productivity ? **10**
b) Explain the advantages and disadvantages of stories in extreme programing ? **10**
2. a) Draw and explain role of object Request Broker in Client Server Software Engineering. **10**
b) State and explain various Wen Apps quality factors ? **10**
3. a) Discuss various interface design guidelines should be followed in web engineering ? **10**
b) State and explain any six generic functions of automated estimation tools ? **10**
4. a) Develop a checklist for use during configuration audits ? **10**
b) State and explain various principles of specification. **10**
5. a) Explain how an iterative incremental development process leads to faster delivery of more useful software ? **10**

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| b) | State and explain various principles and problems of agile methods ? | 10 | |
| 6. | a) | Discuss software maintenance and maintenance cost factors ? | 10 |
| | b) | Draw and explain system evolution process ? | 5 |
| | c) | State various reengineering cost factors ? | 5 |
| 7. | a) | State and explain any 10 Software quality attributes ? | 10 |
| | b) | Draw and explain Software testing process ? | 10 |
| 8. | a) | Justify the relationship between quality management and software development ? | 10 |
| | b) | Suggest why the architectural design of a system should precede the development of a formal Specification ? | 5 |
| | c) | Explain why it may be necessary to design the system architecture before the specification are written ? | 5 |
