

[Time:3 Hrs]

[Marks:80]

Please check whether you have got the right question paper.

N.B:

- 1). Question number 1 is compulsory.
- 2). Attempt any three questions from the remaining.
- 3). Assume suitable data wherever necessary.

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| Q. 1 | a) Explain Evolutionary process model? | 05 |
| | b) Discuss about the principles of user interface design steps? | 05 |
| | c) Explain Mc Calls Quality factors? | 05 |
| | d) Short note on Process Metrics and project metrics. | 05 |
| Q. 2 | a) What is agility? Explain Kanban model. | 10 |
| | b) Explain feasibility studies in detail. | 10 |
| Q. 3 | a) Explain different architectural styles? | 10 |
| | b) Explain Risk assessment and Risk Projection. | 10 |
| Q. 4 | a) Explain in details Reengineering and reverse engineering. | 10 |
| | b) What is SCM? Explain SCM Repositories. | 10 |
| Q. 5 | a) Explain requirement elicitation in detail. | 10 |
| | b) Compute the function point value for a project with the following information | 10 |
| | domain characteristics: | |
| | Number of user inputs: 32 | |
| | Number of user output: 60, | |
| | Number of user enquiries: 24, | |
| | Number of files: 8, | |
| | Number of external interfaces: 2, | |
| | Assume that all complexity adjustment value are average and $\sum fi = 40$ | |
| Q. 6 | a) Explain different types of coupling and cohesion. | 10 |
| | b) Explain in detail software testing strategies. | 10 |
