

02812

ADCA / MCA (II Yr)
Term-End Examination

June, 2010

CS-10 : SOFTWARE ENGINEERING

Time : 3 hours

Maximum Marks : 75

Note : Question Number 1 is compulsory. Answer any three questions from the rest.

1. (a) Design a system for Enrolment Process of a Distance Education University. 15
(i) Draw DFD up to level 2.
(ii) Prepare SRS document for the same.
- (b) Which phase of the SDLC is considered to be the most important phase ? Discuss the reason for its importance. 7
- (c) Describe several specific actions that should be taken during software development to achieve the maintainability of the software that is developed ? 8
2. (a) Explain what is meant by critical path scheduling. Describe the process of creating Gantt charts. Give an example. 10

- (b) Explain use cases and use case diagrams and how they can be used to model system functionality. 5
3. (a) A desirable property of requirements is that it should be testable. Explain why testable requirements add in the production of high quality software. 8
- (b) Discuss in detail the various software process models. 7
4. (a) Explain McCabe's cyclomatic complexity with example. 7
- (b) Does programming languages have an impact on S/w project planning, analysis, design, coding, testing and maintenance ? Discuss ? 8
5. Explain the following : 15
- (a) Debugger
 - (b) Product Vs Process
 - (c) CASE Tools
 - (d) Cocomo Model
 - (e) Risk Management
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