

Code: 21F00102

MCA I Semester Supplementary Examinations July 2024

SOFTWARE ENGINEERING

(Master of Computer Applications)

Time: 3 hours

Max. Marks: 60

Answer all the questions

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| 1 | (a) Explain about Spiral Process model. | 6M |
| | (b) Why do we need Software Project management? Write about staffing. | 6M |
| | OR | |
| 2 | (a) Explain about Prototype process model. | 6M |
| | (b) Discuss about software risk management. | 6M |
| | OR | |
| 3 | (a) Recall the unique nature of Webapps. | 6M |
| | (b) How to make use of decision trees in representing requirements? | 6M |
| | OR | |
| 4 | (a) Show the characteristics of good SRS document. | 6M |
| | (b) Describe about any four software myths. | 6M |
| | OR | |
| 5 | (a) Write about various software design approaches. | 6M |
| | (b) Explain the implementation of User interface design methodology. | 6M |
| | OR | |
| 6 | (a) Infer the characteristics of a good user interface design process. | 6M |
| | (b) Elaborate Component-based GUI development model. | 6M |
| | OR | |
| 7 | (a) Write about IEEE coding standards. | 6M |
| | (b) Describe the steps involved in software debugging activity. | 6M |
| | OR | |
| 8 | (a) What is Integration testing? Specify its scope and objectives. | 6M |
| | (b) Explain the testing process of Object Oriented programs. | 6M |
| | OR | |
| 9 | (a) Write about software reliability. | 6M |
| | (b) Explain in detail about the process of Softer reverse engineering process. | 6M |
| | OR | |
| 10 | (a) Write about CASE support in software life cycle. | 6M |
| | (b) Describe the major issues associated with any reuse program. | 6M |

Code: 21F00102

MCA I Semester Regular & Supplementary Examinations February 2024

SOFTWARE ENGINEERING

(Master of Computer Applications)

Time: 3 hours

Max. Marks: 60

Answer all the questions

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|-----------|---|----|
| 1 | (a) Describe the phases of SDLC. | 6M |
| | (b) Explain the objectives of COCOMO estimation model. | 6M |
| OR | | |
| 2 | (a) How does an Evolutionary model functions? | 6M |
| | (b) Write about configuration management process. | 6M |
| OR | | |
| 3 | (a) Describe about software myths. | 6M |
| | (b) How to present complex requirements using decision tables? | 6M |
| OR | | |
| 4 | (a) How to elicit software requirements from the stake holders? | 6M |
| | (b) Present the components of good SRS document with an example. | 6M |
| OR | | |
| 5 | (a) What are the unique characteristics of Good software design? | 6M |
| | (b) Show Object oriented software design approach is superior than function approach? | 6M |
| OR | | |
| 6 | (a) Discuss about types of User interface approaches. | 6M |
| | (b) Write about Component based GUI development. | 6M |
| OR | | |
| 7 | (a) Describe the procedure adopted for code review activity. Specify its objectives. | 6M |
| | (b) When can we perform Performance testing? How to document its test cases? | 6M |
| OR | | |
| 8 | (a) List and explain about various program testing tools. | 6M |
| | (b) What is Black box testing? Specify the scope and outcomes of it. | 6M |
| OR | | |
| 9 | (a) Write about CASE support in software life cycle. | 6M |
| | (b) Describe the major issues associated with any reuse approach. | 6M |
| OR | | |
| 10 | (a) Write about Six Sigma model. | 6M |
| | (b) Elaborate about SEI CMM practices. | 6M |
