RGPVONLINE.COM RGPVONLINE.COM Roll No Unit - III MSE - 103 Describe clearly how a good design is influenced by the cohesion and coupling. M.E./M.Tech., I Semester b) What in your understanding, should be recorded in a Examination, June 2014 software design document? What is the use of software Software Engineering design document? Time: Three Hours OR Maximum Marks: 70 Write short note on : 14 Note: i) Attempt one question from each unit. a) User Interface Design. ii) Each unit have equal marks. Component Level Design. iii) Assume Data/Value if required. Unit - IV Unit - I What is the difference between validation and verification of software? Explain how their failure can be avoided. 7 a) Differentiate between a software product and a software Explain integration testing. What are the steps for top process. b) What are the distinct steps in requirement engineering down integration? What problems may be encountered when top down integration is chosen? process? Draw the spiral model of it. OR OR Explain five desirable characteristics of good SRS Write short note on: 14 document. Formal Technical Review. b) What is software engineering paradigm? Compare the Orthogonal Array Testing. advantages and disadvantages of various software Unit - V engineering paradigms. What is the basis of Halstead metrics to calculate the Unit - II size of a software? State and explain the various goals of the UML. b) Explain Mc Call's quality factors. b) Explain the manner in which use cases can be used for OR the purpose of testing. 10. Write short notes on: 14 OR a) LOC. What is data modeling? What is the importance of entity Component level design metrics. relationship diagram in it? b) Explain about data dictionary. **** PTO

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