Roll No.

576366(76)/676566(76)

M. B. A. (Third Semester) Examination, Nov.-Dec. 2021

(New Scheme)

(Management Branch)

(Specialization : System Management)

SOFTWARE ENGINEERING & PROJECT MANAGEMENT

Time Allowed: Three hours

Maximum Marks: 80

Minimum Pass Marks: 32

Note: All question carry equal marks. Part (a) of each question is compulsory. Attempt any two parts from (b), (c) and (d).

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- 1. (a) Why SRS is important. Explain.
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- (b) What is the advantage of using prototype software

	mid for [2] begin from	i				
	development model instead of waterfall model? Also				(c)	Explain COCOMO
	explain the effect of defining a prototype on the overall cost of the software project?	7			(d)	What is Risk. Expla
(c)	Explain decision tree and decision table with the					Un
	help of an example.	7		3.	(a)	Give various chara-
(d)	As being a software project manager you have got the responsibility to develop a project in record				(b)	Explain various Softv Tasks in detail.
	time with accuracy, you are supposed to use reusable components while development so which software				(c)	Explain various typ with example.
1	process model you would adopt and why?	7			(d)	What are CASE too
	Unit-II					various phases of so
(a)	Define Quality assurance.	2				Ur
	Assume that the size of an organic type software			4.	(a)	Explain Alpha and E
	product has been estimated to be 32,000 lines of				(b)	Explain White Box
	source code. Assume that the salary of software engineer is 15000 per month. Determine the effort				(c)	Explain various leve
	and the total development time required to develop		J		(d)	What is debugging?

	(c) Explain COCOMO in detail
	(d) What is Risk. Explain RMMM in detail.
	Col Explain Forerest the Interest and Colors
3.	(a) Give various characteristics of a good design.
	(b) Explain various Software Configuration Management Tasks in detail.
	(c) Explain various types of Cohesion and Coupling with example.
	(d) What are CASE tools? Write use of CASE tools is various phases of software development.
	Unit-IV
4.	(a) Explain Alpha and Beta testing.
	(b) Explain White Box Testing and Black Box Testing.
	(c) Explain various levels of testing.
	(d) What is debugging? Why we need debigging explain its importance?

the software product. Also calculate cost of the

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(OTS)

product.

5.	(a) What is structural modeling?
i k	(b) Explain software re-engineering process model.
	(c) Explain Reverse engineering process.
	(d) Write short note on CMM
	(b) Explain various Software Configuration Vacagement Tasks in detail.
	Confidence of Confidence and Complete Complete State of Complete S
	+ (d) What are CASE rook? Molecuse of CASE tools is various phases of software development.
	Tail-IV
	d. (a) taqtinin Alpha and Beta testing
	(b) Equilib White Box Teningmint Black Box Tening
	(d) What is debogging? Why we next debiguing explain