Total No. of printed pages = 7

## RETEST EXAMINATION NOVEMBER - 2019 Semester: 6th (Old)

Subject Code: CO-603

## SOFTWARE ENGINEERING

Full Marks -70 CAMPAL INSTITUTE

Time - Three hours

The figures in the margin indicate full marks for the questions.

## **Instructions:**

- 1. Questions on PART-A are compulsory.
- 2. Answer any five questions from PART-B.

PART - A

Marks - 25

1.	Fill	in the blanks:	1×10=10
lai Lai	(a)	SDLC stands for	957 101
	(b)	Functional testing is also known	as a far
	(-)	testing.	

[Turn over

5/CO-603/SEngg(O)	5/CO-603/SEngg(O) (2)	5/6
(iv) None of	(c) Risk analysis is a part of prototyping model.	
(iii) Both (i)	(b) The purpose of integration testing is to find interfacing errors.	
(i) PERT c	(a) Structure charts are prepared in the design phase of software development.	
(a) which chart network dia	2. State true or false: 1×10=10	2
	(j) SQA stands for	
(j) The term IS	(i) Bath tub curve is related to reliability.	
	(h) Float is also known as time.	
Θ	(g) WBS stands for	
(h) Modular des	oehavioural see	
and high co	2.0	
	(e) Fan-in and Fan-out are associated to	
(e) The SRS d requirement	(d) Drivers and stubs are used intesting.	
(d) ROCOF is	(v) LOC iii software engineering stands for	

- **ROCOF** is a reliability metrics.
- equirement analysis phase. The SRS document is the output of the
- JML is a part of function-oriented design.
- nd high coupling. a good structured design has low cohesion
- nd conquer' problem solving strategy. Modular design follows the rules of 'divide
- Syclomatic complexity can be computed as (edges) + N (nodes) - 2.
- he term ISO is related to quality.
- se the correct answer:

1×5=5

- etwork diagram? Which chart is a tool that depicts project as
- i) PERT chart
- ii) Gantt chart
- iii) Both (i) and (ii)
- iv) None of the above

(b) Alpha and Beta testing are forms of \_\_\_\_

(e) User manual falls under

- (i) Acceptance testing
- (ii) Integration testing
- (iii) System testing
- (iv) Unit testing
- (c) Which is not a step of Requirement Engineering?
- (i) Requirements elicitation
- (ii) Requirements analysis
- (iii) Requirements design
- (iv) Requirements documentation
- (d) Cost of error correction is least at the
- (i) Implementation phase
- (ii) Design phase
- (iii) Coding phase
- (iv) Requirement analysis phase

- CENTRAL LIBOURNAL ANAMOR CONTRACTOR (b)
  - PART B

(iv) None of these.

(iii) Both (i) and (ii)

(ii) Internal documentation

(i) External documentation

- Marks 45
- (a) With the help of a diagram explain the 'Spiral process model' for software development.
- (b) Explain the purpose and the contents of a SRS document. 2+2=4
- (c) List the activities in software project planning.
- (a) Differentiate between 'verification' and 'validation' process.
- (b) What do you understand by 'balancing of DFD'?
- (c) List and explain in brief the different types of coupling.
- 5/CO-603/SEngg(O)

- 6. (a) Differentiate between function oriented and object oriented design. 10. Write short notes on any three: (a) Waterfall model
- (b) List the principles for constructing a DFD.
- (c) Explain any two requirements gathering techniques
- 7.
- (b) Illustrate the equivalence partitioning strategy.

  c) Why software evaluation.
- 3. STORM INSTRUCTION
- 00 (a) Explain in brief the variations of COCOMO.
- (b) Illustrate the purpose of testing

w

- 9. (a) Using a diagram explain the prototyping model.
- (b) Define software engineering and illustrate software crisis. 2+3=5

3×3=9

- (b) PERT chart
- (c) Team structure
- (d) SQA
- (e) ISO.

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