Exam No: _____

GANPAT UNIVERSITY

B. TECH SEM- IV (Computer Science and Business Systems)

FIRST INTERNAL EXAMINATION – FEBRUARY-MARCH 2023

2CSBS4103: Software Engineering

TIME: 1 Hour **TOTAL MARKS: 20**

Instructions:
1) Figures to the right indicate full marks.
2) Be precise and to the point in your answer.
3) All questions are compulsory.
4) The text just below marks indicates the Course Outcomes Numbers, (CO) followed by the Bloom's taxonomy level of the question,
i.e., R: Remembering, U: Understanding, A: Applying, N: Analyzing, E: Evaluating, C: Creating.

Q.1 Explain the software life cycle model with a diagram which includes Risk factor & why it is considered as a meta model? [4] 1U

Q.2 Define(Any Three): [3] 4R
a. Critical Task
b. Milestone
c. Blocking Phase
d. Phase Entry and Exit Criteria
e. Software Crisis

Q.3 Given the following values, calculate function points when all complexity adjustment factors (CAF) and weighting factors are average. [4] 4A
User Input = 50
User Output = 40
User Inquiries = 35
User Files = 6
External Interface = 4

Q.4 Identify which software model(SDLC) is to be used for following types of the project(one word answer): [4] 2R
a. A software problem has high risk associated with its requirements. Untested assumptions are to be considered while building the solution.
b. Time is very crucial and customers need faster delivery. The requirements are also not known.
c. A project for a novice set of users. The requirements of the software are uncertain.
d. A classical well understood problem which can be completed in a short time span. It's nothing but the automation of an already existing (manual) system.

Q.5 Define Requirement Engineering. Also list out 7 distinct tasks supported for RE. [2] 3R

Q.6 Explain the different types of requirement analysis problems that should be identified and resolved during the requirement analysis activity with examples. [3] 3U

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