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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
B. Tech III Year I Semester Examinations, February - 2022
SOFTWARE ENGINEERING
(Common to CSE, IT)

Time: 3 hours   Max. Marks: 75

Answer any five questions
All questions carry equal marks
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1.a) What is legacy software? Briefly explain its impact in software engineering.
 b) Explain the following: i) Waterfall model ii) Spiral Model. [7+8]

2.a) Explain software development life cycle. Discuss various activities during SDLC.
 b) What are various myths about software? [7+8]

3.a) What are the activities of requirements elicitation and analysis? Explain.
 b) Discuss about different structured methods used in software development. [7+8]

4.a) State and explain various aspects in requirements validation process.
 b) Give an overview of behavioral system models. [7+8]

5.a) State and explain the generic tasks that are always performed in user interface design.
 b) Write the taxonomy of architectural styles and give a brief description of each style.
 [7+8]

6. What is black box testing? What is boundary value Analysis? Explain the technique specifying rules and its usage with the help of an example. [15]

7.a) Distinguish between Reactive Vs Proactive risk strategies.
 b) Write a detailed note on ISO 9000 quality standards. [7+8]

8.a) Explain the factors that affect software quality.
 b) Explain about risk projection and risk management. [7+8]

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