**R18** 

[8+7]

## Code No: 155DB

8.a)

b)

## JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD B. Tech III Year I Semester Examinations, March - 2021 SOFTWARE ENGINEERING (Common to CSE, IT)

Time: 3 Hours Max. Marks: 75

## Answer any five questions All questions carry equal marks

1.a) Explain Software development process models. Explain about evaluation of software engineering methodologies. b) [7+8]What is the goal of requirements analysis phase? Give reasons why the requirements 2.a) analysis phase is a difficult one. Identify and briefly describe four types of requirement that may be defined for a b) computer based system. [8+7]3. What are the design principles of a good software design? Explain. [15] 4. What is black box testing? Is it necessary to perform this? Explain various test activities. [15] Discuss briefly about Pro-active and Re-active Risk strategies in detail. 5.a) Explain about Software News in detail. b) [8+7]6.a) How system modeling is achieved using UML? Explain with a suitable example. How we perform lesign evaluation? Explain it with suitable example. b) [8+7]7.a) What is a change? How it can be incorporated in the software. What is the difference between verification and validation? Explain with an example. b) [8+7]

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Define software. List and explain about the elements of a software process.

What is software maintenance? How to control maintenance cost.