



**R15**

**Code No: 821AK**

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**

**MCA II Semester Examinations, October/ November - 2020**

**SOFTWARE ENGINEERING**

**Time: 2 Hours**

**Max. Marks: 75**

**Answer any five questions  
All questions carry equal marks**

- 1.a) Explain about waterfall model with a neat diagram.
- b) Explain about Spiral Model with a neat diagram. [15]
2. Explain about functional and non-functional requirements and also discuss various types of non- functional requirements. [15]
3. Discuss in detail about different architectural styles with examples. [15]
4. Compare verification and validation with example. Also discuss about validation testing. [15]
- 5.a) Compare proactive and reactive risk strategies.
- b) How risks can be identified? Discuss. [15]
6. Explain in detail all level in CMMI framework. [15]
- 7.a) Identify any five functional and non-functional requirements for Health Care management system.
- b) Differentiate between context model and behavioral model. [15]
8. Discuss about interface golden rules and their role in interface design. [15]

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