

R17

Code No: 842AE

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

MCA II Semester Examinations, October/November - 2022

SOFTWARE ENGINEERING

Time: 3 Hours

Max.Marks:75

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

1. What is meant by software myth? Explain in detail different types of software myths.[15]
- 2.a) Differentiate between personal and team process models.
b) Give an overview of unified process model. [7+8]
- 3.a) Write detailed notes on system requirements.
b) What is requirement elicitation? Explain its techniques. [7+8]
4. Explain the following:
a) Requirements validation.
b) Data models. [7+8]
- 5.a) Write about architectural styles and patterns.
b) Draw and explain a use-case diagram for library management system. [8+7]
- 6.a) What is software architecture? Explain.
b) Explain in detail a collaboration diagram with suitable example. [7+8]
- 7.a) Differentiate between alpha and beta testing.
b) Explain the metrics for source code and testing. [7+8]
- 8.a) Explain about formal technical reviews.
b) Describe the methods for risk projection. [7+8]

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