Code No: 872AE

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

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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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