

R18

Code No: 154CQ

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech II Year II Semester Examinations, August/September - 2022

SOFTWARE ENGINEERING

(Common to CSBS, CSIT, CSE(AIML), CSE(DS))

Time: 3 Hours

Max.Marks:75

Answer any five questions
All questions carry equal marks

- 1.a) What are the five generic process framework activities? Explain.
b) Write a detailed note on CMMI. [8+7]
2. What is software myth? Explain in detail about various software myths. [15]
- 3.a) Discuss in detail about system requirements.
b) List and explain the data models in brief. [6+9]
- 4.a) Explain how a software requirements document is structured.
b) Give a brief summary on requirements elicitation and analysis phases of requirements engineering process. [7+8]
- 5.a) Differentiate between coupling and cohesion.
b) Draw and explain sequence diagrams with an example. [7+8]
6. List and explain different kinds of architecture styles and patterns. [15]
- 7.a) Differentiate between black-box and white-box testing.
b) What are the metrics used for testing? Discuss. [8+7]
- 8.a) Write a detailed note on ISO 9000 quality standards.
b) Discuss about various metrics for software quality. [7+8]

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