Code No: 821AK

R15

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
MCA II Semester Examinations, July/August - 2021
SOFTWARE ENGINEERING

Time: 3 Hours   Max.Marks:75

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

1.a) What are the characteristics and various categories of software?
  b) Explain the iterative waterfall model and list the merits and demerits of it.   [7+8]

2.a) Discuss in detail about spiral Model.
  b) What is a 'Unified Process'? Sketch various phases of Unified process.   [7+8]

3.a) What is feasibility study? What are the contents that in feasibility report?
  b) Explain in detail about object modeling?   [7+8]

4.   Draw the data flow diagrams for the chosen web application.   [15]

5.a) What are the various steps for good use interface design? And discuss about Design evolution.
  b) What are the major elements of a Design Model? How do we assess the design quality?   [7+8]

6.a) What is Object Constraint Language? What are the basic design principles for Component-Level Design?
  b) What are the steps involved in user interface analysis?   [7+8]

7.a) Discuss the various testing strategies for conventional software.
  b) What are the reasons behind to perform white box testing?   [7+8]

8.   Explain the following
     a) ISO 9000 Quality standards   b) Reactive Vs. Proactive Risk strategies.   [7+8]

---ooOoo---