**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**
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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]

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