



**National Institute of Technology, Tiruchirappalli – 15
Department of Computer Science & Engineering**

**B.Tech End Semester Examination – MAY 2021
CSPE41 – SOFTWARE ENGINEERING (Elective)**

Class / Semester : II CSE / IV Time : 03.00 PM to 05.30 PM
Date : 18.May.2021 Marks : 30 Section : A & B

Answer all questions

1. Develop a Waterfall model for a Car Insurance Company. (10)
 2. Draw an ER diagram for the Inventory Management system. (5)
 3. Derive the SQA plan and draw the flow chart for Online Railway Ticket Reservation system. (5)
 4. Compare Black box and White box testing strategies. Also design the test cases and error code for the Merge Sort procedure. (5)
 5. Explain in detail about the steps involved in Software Reengineering Process with an example. (5)
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