

DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY,

LONERE – RAIGAD - 402 103

Winter Semester Examination – December - 2019

Branch: Information Technology

Sem.:- V

Subject with Subject Code:- Software Engineering(BTITC503)

Marks: 60

Date:- 13/12/2019

Time:- 3 Hr.

Instructions to the Students

1. Each question carries 12 marks.
2. Attempt **any five** questions of the following.
3. Illustrate your answers with neat sketches, diagram etc., wherever necessary.
4. If some part or parameter is noticed to be missing, you may appropriately assume it and should mention it clearly.

(Marks)

- Q.1 a) Explain Waterfall and Prototyping process models with its merits and demerits. 06
b) What is extreme programming? What are the key activities of extreme programming? 06
- Q.2 a) What are the tasks of requirements engineering? 06
b) What is use case diagram? What are the elements of use case diagram? Draw use case diagram for library management system. 06
- Q.3 a) What is a pattern? What types of design patterns are available for the Software Engineer? 06
b) Explain the different types of architectural style in detail. 06
- Q.4 a) What is debugging? Why is debugging so difficult? 06
b) Explain Formal Technical Reviews in detail. 06
- Q.5 a) What types of analysis activity occur during modeling of a WebApp? 06
b) What roles do people play on a WebE team? 06
- Q.6 a) Explain size oriented and function oriented metrics with one example each. 06
b) What types of risks are we likely to encounter as software is built? 06

******* PAPER END*******