

## 18E5

### B. Tech. EXAMINATION, 2020

(Fifth Semester)

(C Scheme) (Main Only)

(CSE)

CSE309C

SOFTWARE ENGINEERING

Time : 2½ Hours]

[Maximum Marks : 75

---

Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

---

**Note** : Attempt *Four* questions in all. All questions carry equal marks.

1. Many of the software projects are not able to see the light of day (*i.e.* abandoned in between). Why ? Write at least seven reasons. Be specific.
2. (a) Write any *five* main areas of concern in extreme programming.  
(b) Write any *five* advantages of Agile development.
3. What do you mean by data modeling ? Write and explain three elements of data modeling.
4. (a) Do you design software when you write a program ? What makes software design different from coding ?  
(b) Discuss the relationship between concept of information hiding as an attribute of effective modularity and concept of module independence.

5. (a) List any *five* objectives of software testing.  
(b) What are the challenges faced during testing of Real Time Systems ? Propose and elaborate a strategy.
6. (a) There is a subtle difference between restructuring and forward engineering. What is it ? Justify your answer.  
(b) Write any *five* features of a good software interface.
7. Explain the six areas of the provisions of ISO-9126 Quality standard.
8. Differentiate between an SCM audit and a technical review. Can their function be folded into one review ? List the pros and cons.