

SUBJECT CODE:- 257
FACULTY OF ENGINEERING AND TECHNOLOGY
T.E.(CSE/IT) Examination Nov/Dec 2015
Software Engineering
(Revised)

[Time: Three Hours]

[Max. Marks: 80]

“Please check whether you have got the right question paper.”

- N.B i) Q.No.1 from section A and Q.No.6 from section B are compulsory.
 ii) Attempt any two questions from the remaining questions in each section.
 iii) Assume suitable data, if necessary.

Section A

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| Q.1 | Solve any five | 10 |
| | <ul style="list-style-type: none"> a) Explain any two requirement engineering tasks b) List out software characteristics c) Explain any two software myths d) What is QFD? e) Explain in short s/w design concepts f) Write down the phase of cmm g) Explain in functional Independence. h) Draw suitable diagram for linear sequential model. | |
| Q.2 | a) Explain in brief process framework | 07 |
| | b) With neat sketch, explain the waterfall model. | 08 |
| Q.3 | a) Explain Top-down and Bottom-up programming structure. | 08 |
| | b) Explain programming style in coding. | 07 |
| Q.4 | a) What are the components of s/w explain in detail. | 08 |
| | b) Explain cocomo model in detail. | 07 |
| Q.5 | Write short notes (any three) | 15 |
| | <ul style="list-style-type: none"> a) Software scope b) Software prototyping c) Software design principles d) Metrics in coding | |

SECTION-B

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| Q.6 | Solve any five | 10 |
| | <ul style="list-style-type: none"> a) Mention basic building blocks of UML. b) Define the term OOA and OOP c) Enlist attributes of web based system d) What is domain analysis e) Define software testing f) Enlist software testing principles. g) What is unit testing? Explain. h) What is test case? Explain it with suitable example. | |
| Q.7 | a) Draw the sequence diagram to explain the working of washing machine | 08 |
| | b) Draw use case diagram for library management system. | 07 |
| Q.8 | a) Explain in short web app engineering process. | 07 |
| | b) Explain class diagram with suitable example. | 08 |
| Q.9 | a) Explain in brief requirement gathering for web app. | 07 |
| | b) What is risk management? Give different s/w risks. | 08 |
| Q.10 | Write short note on (any three) | 15 |
| | <ul style="list-style-type: none"> a) Scenario based testing b) System testing c) Agile planning d) Project scheduling | |