

SUBJECT CODE NO:- K-175
FACULTY OF ENGINEERING AND TECHNOLOGY
T.E.(CSE/IT) Examination Oct/Nov 2016
Software Engineering
(Revised)

[Time:Three Hours]

[Max. Marks:80]

- N.B Please check whether you have got the right question paper.
- i) Q.No.1 from section A and Q.No.6 from section B are compulsory.
 - ii) Attempt any two questions from the remaining 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) Describe cmm in brief.b) List out different s/w process models.c) Enlist phase of s/w Engineering.d) What is DFD? Explain DFD symbols.e) What is process framework?f) Justify the statement "s/w doesn't wear out".g) List out various applications of s/w.h) Explain data and function modelling. | |
| Q.2 | <ul style="list-style-type: none">a) Explain E.R diagram in detail.b) What are the golden rules of UI design? | 08
07 |
| Q.3 | <ul style="list-style-type: none">a) Explain classical life cycle of software.b) List software management myths and explain in detail. | 08
07 |
| Q.4 | <ul style="list-style-type: none">a) What is modularity? Explain it by giving example.b) Describe Architectural and interface design. | 08
07 |
| Q.5 | Write short note on (any three) <ul style="list-style-type: none">a) Spiral modelb) Information hidingc) Scm (software configuration management)d) Programming styles | 15 |

Section B

- Q.6 Solve any five 10
- a) Explain the term project scheduling.
 - b) What is risk management?
 - c) What are types testing?
 - d) Enlist players involved in Software Project development team.
 - e) Define unit and integration testing.
 - f) Describe the notations used in state diagram.
 - g) State the objectives of testing.
 - h) Give the notations for E.R diagram.
- Q.7 07
- a) Explain software testing life cycle with neat diagram.
 - b) Draw the class diagram for Library management system. 08
- Q.8 08
- a) What are the attributes of web based system? Explain. 08
 - b) Explain use case diagram with suitable example. 07
- Q.9 07
- a) Explain object oriented design process. 07
 - b) What is scenario based testing? Explain in detail 08
- Q.10 Write short note on (any three) 15
- a) Sequence diagram
 - b) Verification and Validation
 - c) Web application
 - d) Test cases