SUBJECT CODE NO:- P-6
FACULTY OF ENGINEERING AND TECHNOLOGY
T.E.(CSE/IT) Examination May/June 2017
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 in necessary.

Section A

Q.1   Solve any five   10

    a) State any two rules of UI design.
    b) What are the characteristics of software?
    c) Which process model should be used if the idea is new and complex and also there is risk involved, justify.
    d) What is CMM?
    e) Explain size oriented matrix.
    f) List out the requirement Elicitation methods.
    g) What is LOC?
    h) Explain the term 'Abstraction'.

Q.2   a) What are the characteristics to be considered for the selection of life cycle model?   08
    b) Explain the software myths with realities in detail.   07

Q.3   a) What are the characteristics of good SRS? Give IEEE format of SRS document.   08
    b) Consider the project with following parameters.   07
1) External Inputs =35   2) External output =45
3) External Enquiries = 10   4) Internal logical files =08   5) External Interface files=05.
Assume weighting factors as high and complexity adjustment factor are treated as significant. Compute the function points for the project.

Q.4   a) Explain the architectural design and design pattern in detail.   08
    b) Explain the analysis and design model.   07

Q.5   Solve any three short notes.   15
a) COCOMO   b) Programming style   c) Putnam model   d) Information hiding   e) Waterfall model

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Section B

Q.6   Solve any five.   10
    a) What is test case?
    b) List out the attributes of web based system.
    c) What is object oriented design?
    d) Draw the class diagram for any given system.
    e) Define behavior analysis in OOA.
    f) What is risk management?
    g) Define SCM.
    h) What is use case analysis?

Q.7   a) What is UML? Explain the basic building blocks of UML.   08
    b) Give the steps of analysis & design for object oriented system & explain it.   07

Q.8   a) What is web app engineering process?   08
    b) What is web based application? Explain by giving suitable example.   07

Q.9   a) What is software project management? Explain different management activities.   08
    b) What are the software testing strategies for object oriented system.   07

Q.10   Solve any three short notes.   15
    a) Version management
    b) OOAD
    c) Web Engineering
    d) Agile planning
    e) CRC cards.

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