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Paper ID [CS308]

MAY-08

(Please fill this Paper ID in OMR Sheet)

B.Tech. (Sem. - 6th/7th)

SOFTWARE ENGINEERING (CS - 308)

Time : 03 Hours   Maximum Marks : 60

Instruction to Candidates:

1) Section - A is **Compulsory**.

2) Attempt any **Four** questions from Section - B.

3) Attempt any **Two** questions from Section - C.

Section - A

Q1)   (10 × 2 = 20)

a)   What is a process model?

b)   What is White box testing?

c)   Which is Risk analysis?

d)   What is code documentation?

e)   Name the characteristics of a software.

f)   Explain what is a DFD?

g)   What are fourth generation techniques?

h)   What is cyclomatic complexity?

i)   What are static code analysers?

j)   What is the purpose of Rayleigh curve?

Section - B

(4 × 5 = 20)

Q2) What is the use of testing phase? Give various types of testings.

Q3) Explain Object Analysis & Design tools/techniques used in s/w development.

Q4) What are the various factors associated with cost estimation of a project? Explain any cost estimation technique.

Q5) Assuming a real time system of your choice, discuss the concepts. Analysis and design factors of the same, elaborately.

Q6) Does prog languages has an impact on project planning, analysis design, coding, testing and maintenance? Discuss.

Section - C

(2 × 10 = 20)

Q7) (a) What is risk analysis? How do you estimate risk analysis?

    (b) Distinguish between validation and verification.

Q8) What are the project management tools used? List them and explain them, bringing their salient features. Explain the side effects that are caused due to software maintenance.

Q9) Explain the following.

    (a) Use-Case diagrams.

    (b) Software metrics.

    (c) CASE.

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