Paper ID [CS301]

B.Tech. (Semester - 5th)

SYSTEM ANALYSIS & DESIGN (CS - 301)

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 x 2 = 20)

a) What are the major rolls on project team?

b) Describe two special issues that may be important to list on a system request.

c) What are the two basic ways to estimate the size of a project?

d) Why is it important to balance DFDs and ERDs?

e) What kind of metadata is included in the CASE repositories for a physical DFD?

f) Define scalable. Why is this term important to system developers?

g) Why do we prototype the user interface design?

h) Differentiate between an end user database and an enterprise database.

i) What is the primary goal of system testing?

j) Contrast the following items:- concrete class: obstruct class.

Section - B

(4 x 5 = 20)

Q2) Compare the major elements and issues of phased developed and prototyping.

Q3) What is Stakeholder analysis? Discuss three of them that would be relevant for most Project.

Q4) Explain the differences between top-down and bottom-up interview approaches. When these are used.

Q5) What is the view point of a DFD and why it is important write also how it is Decomposed and balanced.

Q6) Explain three principles in the design of outputs and also tell five types of outputs.

Section - C

(2 x 10 = 20)

Q7) What are the seven types of cohesion? Give one example of good cohesion & one example of bad cohesion?

Q8) (a) Compare and contrast alpha testing & beta testing.

(b) Compare and contrast and information change management strategies with a Political change management strategies. Which is better?

Q9) (a) How can the object approach improves the system development process?

(b) How is the use case diagram similar to the context and level 0 data flow diagram (DFDs)? How is it different?

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