Roll No. ☐☐☐☐☐☐☐☐☐☐☐☐ Total No. of Pages :02

Total No. of Questions : 07

BCA (Sem.–3rd) (2007 to 2010 Batch)
SOFTWARE ENGINEERING
Subject Code : BC-303
Paper ID : [B0211]

Time : 3 Hrs.   Max. Marks : 60

INSTRUCTION TO CANDIDATES :
1. **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**
2. **SECTION-B contains SIX questions carrying TEN marks each and students has to attempt any FOUR questions.**

SECTION-A

l. **Write briefly :**

a) What is role of metrics and measurement in software engineering?

b) What is problem based estimation? How it is different from process based estimation?

c) What is entity and attribute? Explain with examples.

d) What is format of data dictionary?

e) What is hybrid design approach? Explain.

f) What is role of information hiding in object oriented design?

g) What are various components of software?

h) What is software crisis? Explain.

i) Define process, method and tool in software engineering.

j) What are advantages of software engineering in software development?

SECTION-B

2. What is software? What are its characteristics? Compare and contrast various software process model. 10

3. Write a note on the following :

   a) COCOMO model.

   b) Principles of Structured Analysis. 10

4. What is Testing? What are its objectives? Explain various principles of software testing. 10

5. What is Structured Analysis? Explain various tools used for structured analysis. 10

6. What is Structured Design? Explain various structured design methodologies. 10

7. Write a note on the following :

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   b) Integration Testing. 10