

Roll No.

97676

**B.C.A, 4th Semester
Examination-May, 2016
Softwared Engineering**

Paper-BCA-209

Time : 3 hours

Max. Marks : 80

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard will be entertained after the examination.

Note : Attempt five questions in all. Question

No. 1 is **compulsory** and attempt **four**

more questions by selecting **one** question

from each unit. All questions carry equal

marks.

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(-1)

[Turn Over

Section-A

1. (a) Explain with the help of a diagram that software does not wear out.
- (b) What are the advantages of waterfall model ?
- (c) What is project scheduling ?
- (d) What is a risk in software development ?
- (e) List four features of good coding style.
- (f) What is a software design ?

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- (g) What do you know about unit testing ?
- (h) What is the use of testing in software development ?

Section-B

Unit-I

2. (a) Name the various software life cycle models. Explain the spiral model in detail.
- (b) What do you mean by software crisis? Discuss the main reasons of software crisis.

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[Turn Over

3. (a) List out various techniques of requirement elicitation and explain any two techniques in detail.

(b) What do you mean by DFD and ER diagram? Draw 0-level and 1-level DFD for library management system.

Unit-II

4. (a) What do you mean by software project planning? Explain the various activities of project planning.

(b) Write a short note on LOC and function count.

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5. (a) Explain the Constructive Cost Model (COCOMO) used for determining the cost estimate.

(b) What is risk management? Explain various techniques of risk management.

Unit-III

6. (a) What do you mean by modularity? Explain the criteria behind modularity.

(b) What do you mean by coupling and cohesion? Explain its types.

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