BCS-051

BACHELOR OF COMPUTER APPLICATIONS (BCA) (REVISED)
Term-End Examination
June, 2020

BCS-051 : INTRODUCTION TO SOFTWARE ENGINEERING

Time : 3 Hours   *Maximum Marks : 100*

Weightage : 75 %

Note : (i) *Question No. 1 is compulsory and carries 40 marks.*

(ii) *Attempt any* **three** *questions from the rest.*

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1. (a) Develop SRS for *Online Assignment Submission System (OASS)*. SRS should be in IEEE format. 25

(b) Explain Waterfall model with the help of an example. What are its advantages and disadvantages ? 10

(c) What is a Use-Case diagram ? Explain with the help of an example. 5

2. (a) Draw the first two levels of DFDs for an OASS. Make necessary assumptions. 10

(b) Draw a PERT chart for the development of an OASS. 10

3. (a) What is meant by software configuration management ? Explain its significance. 10

(b) What are application logic objects ? Explain with the help of an example. 10

4. (a) What is Regrssion Testing ? What is its use in integration testing ? Differentiate between white box and black box testing.

10

(b) Explain the process of calculating cost of a project using COCOMO model.   10

5. (a) Explain object oriented design.   10

(b) Explain various SEI CMM levels.   10

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