BCS-051

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# BCS-051

### BACHELOR OF COMPUTER

# APPLICATIONS (BCA) (REVISED)

## **Term-End Examination**

### December, 2021

#### **BCS-051: INTRODUCTION TO SOFTWARE**

#### **ENGINEERING**

Time: 3 Hours Maximum Marks: 100

Note: Question No. 1 is compulsory and carries

40 marks. Attempt any three questions from

the rest.

(a) Explain the need for SRS. Develop a SRS for online shopping system of a grocery store. Make necessary assumptions. Follow

IEEE SRS format.

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(b) What is Waterfall Model? Explain the advantages of using Waterfall model for software system development.

(c) What is usecase diagram? Draw and define the use of any *four* symbols used to

draw usecase diagram.

(d) What is Cohesion? Briefly explain any three types of cohesion.

(a) Draw context diagram and first level DFD for "online shopping system of a grocery store".

(b) What is Testing? Why is it needed?

Explain differences between white box testing and black box testing with the help

of examples for both types of testing.

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(ii) Test cases for unit testing