

No. of Printed Pages : 3

**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 %*

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*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 Regression 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