58552

CS-70

BACHELOR OF COMPUTER APPLICATIONS (BCA) (Pre-Revised)

Term-End Examination

June, 2019

CS-70 : INTRODUCTION TO SOFTWARE ENGINEERING

Time : 3 Hours   *Maximum Marks : 75*

Note : Question No. 1 is compulsory. Answer any three questions from the rest.

1. (a) With the help of a diagram (Boehm's model) explain the spiral model for the software development.   10

    (b) List and explain the *four* main steps in project planning for any company.   10

    (c) Explain the concept of project tracking with the help of the following charts :   10

    (i) Ideal project progress

    (ii) Usual project progress

2. (a) Identify and elaborate all the risk factors in software project.   7

   (b) Explain the following terms, with appropriate examples :   4×2=8

      (i) Data Abstraction

      (ii) CASE Tools (any *one* category)

3. (a) Elaborate on the various steps required for successful project implementation.   7

   (b) Define 4GL's. Discuss how 4GL's help to solve the complex problems. Also list its limitations.   8

4. (a) List the options that are available for applying human resources to a new software project that will require 'X' people working for 'Y' years.   8

   (b) What is baseline specification ? Describe briefly *three* types of baseline specifications.   7

5. (a) Draw suitable diagram/flow graphs for the following scheduling techniques and explain them briefly : 8

   (i) Work breakdown structure

   (ii) Flow graph

   (b) Define project outsourcing. List and explain the steps involved in outsourcing the project. 7