

January 2017

Bachelor of Computer Application (BCA) Examination

V Semester

Software Engineering

Time 3 Hours]

[Max. Marks 40

Note : Attempt all questions. All questions carry equal marks.

1. (a) Explain the concept of Business System.
(b) Discuss the characteristics of a System.

OR

- (a) Explain the different Category of a System with their applications.
(b) Discuss various phases of SDLC.
2. (a) What is Feasibility Study ? Explain its different category.
(b) Explain the purpose and process of preliminary investigation.

OR

- (a) Explain various fact-finding tools.
(b) Write short note on Project Review and Selection.
3. (a) What is Data Oriented Design ? Explain.
(b) Construct a DFD for a simple calculator with basic arithmetic functions.

OR

- (a) What is Object-Oriented Design ? Discuss its various elements.
(b) Write short note on Abstraction and Decomposition for Design.
4. (a) Explain the differences between White-box and Black-box Testing.
(b) What is Integration Testing ? Explain its various types.

OR

- (a) What is Basis Path Testing ? Discuss with suitable example.
(b) Discuss various Quality Parameters with example.
5. (a) Explain the following Stakeholders :
Vendor, Supplier, End-user, Customer and Sponsor.
(b) What is System Implementation ? Explain its process.

OR

- (a) What is Software Maintenance ? Discuss its various categories.
(b) Discuss the process and method for Hardware and Software Selection.