Seat No:_____ **Enrollment No:_____**

PARUL UNIVERSITY

FACULTY OF IT & COMPUTER SCIENCE

BCA Winter 2018 – 19 Examination

Semester:4 **Date: 12/12/2018**
Subject Code: 05101253 **Time: 2.00 pm to 4.30 pm**
Subject Name: Basic Software Engineering **Total Marks: 60**

Instructions:
1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.
4. Start new question on new page.

Q.1 Answer the followings.

A. Write short notes. **(05)**

1. What is designing in SDLC?
2. What is white box testing?
3. What is software engineering?
4. What is cohesion?
5. Draw data store symbol of DFD.

B. Give the sentence true or false. (Each of 01 marks) **(10)**

1. Alpha testing is done at user's end.
2. Whitebox testing is also called as glassbox testing
3. Integration testing means testing of each function
4. Full form of SQA : Software Quality Acceptance
5. Class symbol has three parts.
6. In sequence diagram we can show process with sequence number
7. Data dictionary is one kind of meta data.
8. We should use waterfall model if requirements are not fixed.
9. Tester can test software coding in black box testing
10. Blue box testing is one of the types of testing.

Q.2 Answer the followings. (3 Mark Questions.) (Any five) **(15)**

1. Explain Waterfall model with figure.
2. Explain use case diagram with its symbols.
3. Explain data dictionary.
4. Explain component diagram.
5. State difference between QA and QC
6. Explain activity diagram with its symbols

Q.3 Answer the following. (Any three) **(15)**

1. Draw a Use case diagram of Hospital Management system
2. Explain sequence diagram with any example.
3. Write short note on V model (advantages , disadvantages , figure, use)
4. Write a short note on spiral Model (advantages , disadvantages , figure, use)

Q.4 Answer the following.

A. Write a short note on SDLC. **(05)**

B.
1. Write a short note on feasibility study.
2. Draw a Class diagram of Student information system

OR

B.
1. Write a short note on UML.
2. Write a short note on DFD.

(10)