

Total No. of Printed Pages:1

BCA (Semester-V)
EXAMINATION October 2019
Software Testing

[Duration : Two Hours]

[Max. Marks:50]

Instructions:

- 1) All questions are compulsory
- 2) Figures to the right indicate full marks

- Q.1 A) Answer the following in not more than 30 words. 5X1=5
- i) What do you mean by fault?
 - ii) What is full form of API?
 - iii) What do you mean by pair testing?
 - iv) What do you mean by cook time?
 - v) What is be- bugging?
- B) Fill in the blanks 5X1=5
- i) White box testing is also known as ----- testing.
 - ii) ----- form the fundamental building blocks for OO systems.
 - iii) A defect repository captures all the relevant details -----reported for a of product.
 - iv) The only phase of testing which tests both functional and non- functional aspect of the system is -----
 - v) Verifying the product usability for differently – able users is called ----- testing
- Q.2 Answer the following 10
- A) What is the need to perform Software Testing? 2
 - B) State any 3 fundamental principles of software Testing? 3
 - C) Mention any 2 challenges of white box testing. Explain the role of requirement traceability matrix (RTM) 5
- Q.3 Answer the following 10
- A) Mention any 4 types of non- functional system testing? 2
 - B) Mention the various steps used in performing regression testing. 3
 - C) Explain how to perform unit testing in object Oriented systems in about 200 words 5
- Q.4 Answer the following 10
- A) What do you mean by round the clock development/testing team model? 2
 - B) 'Testing is only destructive'. Give your comment on this misconception with reasons. 3
 - C) Briefly explain how risk management is carried out in software testing in about 200 words? 5

- Q.5 Answer the following. 10
- A) What do you mean by baseline in software Configuration Management? 2
 - B) Briefly explain 'process documentation' in about 100 words. 3
 - C) What is software maintenance and why it is needed? 5