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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   5
             traceability matrix (RTM)

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   5
             words?

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