

**Goa Vidyaprasarak Mandal's**  
**GOPAL GOVIND POY RAITURCAR COLLEGE OF**  
**COMMERCE AND ECONOMICS, PONDA-GOA**  
**B.C.A. (SEMESTER-V) EXAMINATION, JANUARY 2021**  
**SOFTWARE TESTING**

Duration: 2 hours

Marks: 50

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Instructions: 1) All questions are compulsory.  
2) Figures to the right indicate full marks.

Q1 A) Fill in the blanks. (5x1=5)

- a) \_\_\_\_\_ documentation describes the product that is being developed and provides instructions on how to perform various tasks with it.
- b) \_\_\_\_\_ is the process of modifying a software product after it has been delivered to the customer.
- c) \_\_\_\_\_ estimate acts as a primary input for estimating efforts.
- d) Scalability testing is a type of \_\_\_\_\_ testing.
- e) A \_\_\_\_\_ is a formally accepted version of a software configuration item.

Q1 B) Answer the following in one or two sentences: (5x1=5)

1. Define Black box testing.
2. Differentiate between Verification and Validation.
3. What is Regression testing?
4. What are the objectives of user documentation testing?
5. Define Pair testing

Q2. Answer the following:

- A) Explain any two challenges faced in test automation. (2)
- B) Explain any three methods of functional system testing. (3)
- C) Explain why Object Oriented testing is different from the conventional testing. (5)

Q3. Answer the following.

- A) Explain the four factors affecting the test team organization of multi-product companies. (2)
- B) Explain any one technique from Integration testing. (3)
- C) Draw a neat diagram of risk management process and explain the steps. (5)

Q4. Answer the following.

- A) State and explain in one line any four common misconceptions regarding testing. (2)
- B) Explain any six activities to be carried out for software maintenance. (3)
- C) What is change control? Explain the change control process. (5)

P.T.O.

Q5. Answer the following:

A) Draw the flow chart and find the code complexity for the following statements

(2)

```
IF A==10 THEN
  IF B>C THEN
    A=B
  ELSE
    A=C
  ENDIF
ENDIF
Print A, B, Print C
```

Q5.B) What are external and internal dependencies in testing? Give examples. (3)

Q5.C) Discuss different code coverage testing techniques. (5)

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