Total No. of Questions : 5]

SEAT No. :

P-6021

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B.B.A. (C.A.)

CA-602 : SOFTWARE TESTING

(2019 Pattern) (Semester - VI)

Time : 2½ Hours] *[Max. Marks : 70*

Instructions to the candidates:

1) *All questions are compulsory.*
2) *Neat diagram must be drawn wherever necessary.*
3) *Figures to the right indicate full marks.*

Q1) Attempt any EIGHT of the following (out of TEN) : **[8 × 2 = 16]**

a) Explain the term performance testing.

b) Define Big Bang Approach.

c) Define failure and defect.

d) Define verification testing.

e) What is sandwich approach of integration testing?

f) Define validation Testing.

g) Explain sandwich approach.

h) Explain terms - Error, Fault and Failure.

i) Define regression testing.

j) What is software metric?

Q2) Attempt any FOUR of the following (out of FIVE) : **[4 × 4 = 16]**

a) Explain V-V Model of testing in detail.

b) Explain load and Smoke testing in detail.

c) Explain any four testing principles in detail.

d) Explain all testing principles in detail.

e) Differentiate between alpha and beta testing.

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Q3) Attempt any FOUR of the following (out of FIVE) : [4 × 4 = 16]

a) Explain Boundary-Value analysis in details.

b) Explain GUI testing in details.

c) Explain Sandwich and Big-Bang approach of Integration testing.

d) Explain Software testing life cycle with diagram.

e) Write difference between Static and Dynamic testing.

Q4) **Attempt any FOUR of the following (out of FIVE) :** **[4 × 4 = 16]**

a) Explain test case design for the login process.

b) Stub and Driver concept in Unit testing.

c) Explain white box testing and its techniques.

d) Explain Capability Maturity Model (CMM) in detail.

e) Calculate the cyclometric complexity of a code which accepts 3 integer values and print the highest and lowest value.

Q5) **Write a short note on Any TWO of the following (out of Three) :** **[2 × 3 = 6]**

a) Rational Robot

b) System testing

c) Statement coverage criteria of White-Box testing

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