

(6 pages)

Reg. No. : .....

Code No. : 7175

Sub. Code : HCAE 41

M.C.A. (CBCS) DEGREE EXAMINATION,  
APRIL 2017.

Fourth Semester

Computer Applications

Elective — SOFTWARE TESTING

(For those who joined in July 2012-2015)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. Making the software run on a new version of an operating system or database is called \_\_\_\_\_ maintenance.
- (a) Corrective                      (b) Adaptive  
(c) Preventive                      (d) None

2. Concentrates on specific product is \_\_\_\_\_.  
(a) Quality assurance  
(b) Quality control  
(c) Both (a) and (b)  
(d) None
3. Suggested integration method for the factor dynamically changing requirements, design, architecture is \_\_\_\_\_.  
(a) Top down  
(b) Bottom up  
(c) Bi-directional  
(d) Big bang
4. \_\_\_\_\_ is done to show that the product does not fail when an unexpected input is given  
(a) Positive Testing      (b) Negative testing  
(c) Both (a) and (b)      (d) None
5. The testing aspect "Tests", product behaviour in \_\_\_\_\_.  
(a) Functional testing  
(b) Non-functional testing  
(c) Both (a) and (b)  
(d) None



6. \_\_\_\_\_ is about comparing the performance of product transactions with that of competitors.
- (a) Performance Benchmarking
  - (b) Capacity planning
  - (c) Both (a) and (b)
  - (d) None
7. The most effective ad-hoc testing technique \_\_\_\_\_ to follow, when randomly test the product after all planned test cases are done.
- (a) Pair testing
  - (b) Defect seeding
  - (c) Monkey testing
  - (d) Buddy testing
8. \_\_\_\_\_ is a term used to mean the translation work of all software resources such as message to the target language and conventions.
- (a) Globalization
  - (b) Localization
  - (c) Internationalization
  - (d) None
9. \_\_\_\_\_ is given in person days, person months or person years.
- (a) Schedule estimation
  - (b) Size estimation
  - (c) Effort estimation
  - (d) None

10. \_\_\_\_\_ consists of identifying the possible risks that may hit a project.
- (a) Risk identification
  - (b) Risk quantification
  - (c) Risk Mitigation planning
  - (d) None

PART B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 250 words.

11. (a) What is test automation?
- Or
- (b) What are metrics and measurements?
12. (a) What is defect bash?
- Or
- (b) Write short note on Black box testing.
13. (a) What are the tools used for performance testing?
- Or
- (b) Write short note on the best practices in regression testing.



14. (a) Give a brief note on Primer on object oriented software.

Or

- (b) What are the tools used for Internationalization?
15. (a) Discuss in detail about water fall model.

Or

- (b) What is principle of testing?

PART C — (5 × 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) What are the attributes involved in Life cycle model? Explain Prototyping and Rapid application development model in detail.

Or

- (b) What is quality, quality assurance and quality control? Explain each one of them in detail.

17. (a) What is structural testing? Explain unit/code and code coverage testing in detail.

Or

- (b) What are the different types of integration testing available? Explain any three

Page 5

Code No. : 7175

18. (a) How to do regression testing?

Or

- (b) What is Non-functional testing? Explain it in detail.

19. (a) Explain exploratory and interactive testing in detail.

Or

- (b) Discuss in detail about Primer on Internationalization.

20. (a) Write short note on Project metrics in detail.

Or

- (b) What are the planning involved in testing?

Page 6

Code No. : 7175

