SUB.CODE: 18UCA6C14

REG.NO:

DHANALAKSHMI SRINIVASAN COLLEGE
OF ARTS & SCIENCE FOR WOMEN
(AUTONOMOUS)
(For Candidates admitted from 2018-2019 onwards)

UG DEGREE EXAMINATIONS APRIL – 2021
B.C.A – COMPUTER APPLICATIONS
SOFTWARE ENGINEERING

Time: 3 Hrs **Max.Marks: 75**

PART – A

CHOOSE THE CORRECT ANSWER. **(10*1=10)**

1.Software is defined as _____.
a) Instructions b) Data Structures c) Documents d) All of these

2.The ability of a program to perform a required function under stated conditions for a stated period of time is called as _____.
a) Quality b) Integrity c) Efficiency d) Reliability

3._____ project involves only one programmer working as part time.
a) Trivial b) Small c) Medium d) Large

4.Which may be estimated either in terms of KLOC or by calculating number of function points in software?
a) Time b) Effort c) Cost d) Software size

5.The use of _____ permits decomposition of a large system into smaller.
a) Hiding b) Abstraction c) Structure d) Coupling

6.Using _____, the designer describes system characteristics using English language phrases.
a) Flowchart b) Table c) Pseudocode d) Chart

7. _____ is a set of activities for ensuring quality in software engineering.
a) Software Quality Assurance b) Software Quality Maintenance
c) Source Code Metrics d) Managerial aspects of software

8. _____ testing determines the amount of execution time spent in various parts of the unit.
a) Performance b) Functional c) Stress d) Structure

9. _____ is the process of isolating and correcting the causes of known errors.
a) Planning b) Debugging c) Coding d) Implementing

10. What do you understand by V&V in software testing?

a) Verified Version

b) Version Validation

c) Verification Validation

d) Version Verification

PART – B

ANSWER ALL THE QUESTIONS. **(5*7=35)**

11. a) Explain about Some Size Factors.

(OR)

b) Write about Programming Team Structure.

12. a) Brief on Delphi Cost Estimation.

(OR)

b) How to Establish Counting Standard in Software Size?

13. a) Write about Milestones, Walkthroughs and Inspections.

(OR)

b) List out the Don'ts of Good Coding Style.

14. a) Justify the Quality Concepts.

(OR)

b) Brief about Detect Prevention Strategies.

15. a) Survey on Source Code Metrics.

(OR)

b) Brief on Managerial Aspects of Software Maintenance.

PART – C

ANSWER ANY THREE QUESTIONS. **(3*10=30)**

16. Elaborate on Quality and Productivity Factors.
17. Elucidate on Size Measurement Framework.
18. Discuss about the Design Notations.
19. Describe in detail about Software Quality Assurance.
20. Illustrate on Unit Testing and Debugging.