

WZ-136**003-003308**

BCA (CBCS) Sem.-III Examination

December-2014

CS-13 : SAD & SFT

Faculty Code : 003

Subject Code : 003308

Time : 2½ Hours]

[Total Marks : 70

1. Attempt all multiple choice questions :

20

1. Physical design is _____ phase of SDLC.
(a) 1st (b) 2nd
(c) 3rd (d) 4th
2. Structured and repetitive task should be comprised with _____.
(a) DSS (b) MIS
(c) TPS (d) OAS
3. Decision table used to _____.
(a) write error free code
(b) give better understanding
(c) write code in minimum effort
(d) all of these
4. Integration Level techniques are _____.
(a) Big Bang (b) Top – Down
(c) Bottom-Up (d) All of these
5. Undetermined Intermediate State is called _____.
(a) Defect (b) Fault
(c) Bug (d) Error
6. Regression Testing is the name of
(a) Repetitive testing (b) Enhanced Testing
(c) New Testing (d) None of these
7. White box testing can detect
(a) Syntactical Errors (b) Logical Errors
(c) Both (d) None of these
8. Which are considered as Unit testing ?
(a) White Box (b) Beta
(c) Acceptance (d) All of these

003-003308

1

P.T.O.

9. Give name of Model which follows realistic approach.
 - (a) Classic Life Cycle Model
 - (b) Linear Sequential Model
 - (c) Spiral Model
 - (d) None of these
10. Which model does not expect much maintenance after development ?
 - (a) Waterfall Model
 - (b) Spiral Model
 - (c) Iterative Model
 - (d) All of these
11. Functional Testing Tool is _____
 - (a) Purify Plus
 - (b) WinRunner
 - (c) LoadRunner
 - (d) Rational Suit
12. Test Case includes _____
 - (a) Input
 - (b) State
 - (c) Expected output
 - (d) All of these
13. Process Model depends on _____.
 - (a) Project Requirements
 - (b) Time limit
 - (c) Project type
 - (d) All of these
14. COCOMO Model stands for
 - (a) Constructive Cost Model
 - (b) Capability Cost Model
 - (c) Calculative Cost Model
 - (d) None of these
15. To calculate Expected completion time for each activity, we must use
 - (a) Optimistic time
 - (b) Most Likely time
 - (c) Pessimistic time
 - (d) All of these
16. Load runner is used to test _____.
 - (a) Performance
 - (b) Load
 - (c) Both
 - (d) Functionality
17. IEEE stands for _____.
 - (a) Indian Electronics Engineering Enterprise
 - (b) Institute of Electrical and Electronics Engineers
 - (c) Indian Electrical Engineering Enterprise
 - (d) None of these
18. Activity diagram corresponds to _____.
 - (a) Class Diagram
 - (b) State Diagram
 - (c) Use Case Diagram
 - (d) None of these
19. ISO stands for
 - (a) International Organization for Standardization
 - (b) Interactive Software Operations
 - (c) International Security Organization
 - (d) Interactive Safety Organization
20. Project Estimation can be based on _____.
 - (a) Function Point
 - (b) Line of Code
 - (c) Both
 - (d) None of these



2. (A) ATTEMPT ANY **THREE**. 6
1. Explain Authorization and Authentication.
 2. Explain Test case.
 3. Explain MTTC and MTF. Establish Relationship.
 4. Write types of Applications.
 5. Explain Static testing.
 6. Define : Defect, Effort.
- (B) ATTEMPT ANY **THREE**. 9
1. What are Self defining words ? How can we decompose a word in Data Dictionary ?
 2. Draw decision tree to find greatest among given three values.
 3. Explain Preventive maintenance ?
 4. Explain Questionnaire. When it is used ?
 5. Write role of System Analyst.
 6. Explain phase wise implementation of software.
- (C) ATTEMPT ANY **TWO**. 10
1. Write short note on classes and objects.
 2. Write short note on Function Points.
 3. Write short note on Economic Feasibility.
 4. Explain Gantt chart.
 5. Write short note on Non Functional Testing.
3. (A) ATTEMPT ANY **THREE**. 6
1. State type of system testing.
 2. Who is System Analyst ?
 3. How delivery of a software version wise helps to customer ?
 4. What is DRE ? Explain.
 5. What are documenting tools ? Explain each in brief.
 6. Give Quality Assurance Activities.
- (B) ATTEMPT ANY **THREE**. 9
1. Which different tools are used to develop software ?
 2. Give difference of White box and black box testing ?
 3. All Requirements if decided in the beginning and no alteration expected then which process model is better to use ? Why ?
 4. Explain benefits of testing tools against manual testing.
 5. Explain usage of Load-Runner.
 6. Explain rules for Bubble chart.
- (C) ATTEMPT ANY **TWO**. 10
1. Explain Unit testing.
 2. Explain designing tool to draw engineering diagram, DFD or other charts.
 3. Explain Project Management Tool.
 4. Write short note on COCOMO model.
 5. Explain Document Review for fact finding in context of Hospital Management System.