



HCN-003-004503-N Seat No. _____

B. Sc. (Inform. Techno.) (CBCS) (Sem. V) Examination

October – 2017

CS-27 : Software Testing and Project Management

Faculty Code : 003

Subject Code : 004503-N

Time : $2\frac{1}{2}$ Hours]

[Total Marks : 70

1 Attempt following questions : **20**

- (1) Give the full form of COCOMO.
- (2) List the phases of spiral model.
- (3) Give the full form of UML & CAD.
- (4) In class diagram class is divided into which compartments ?
- (5) _____ testing is also known as Behavioral.
- (6) PERT stands for _____.
- (7) COCOMO was developed initially by _____.
- (8) Quick test professional was developed by _____.
- (9) List out the factors which are Effective in software project management.
- (10) Visio was introduced in which year ?
- (11) MS Project's file format is _____.
- (12) List out the file format which are supported by Ms-visio.

- (13) Which diagrams are used to model physical aspects of a system.
- (14) A formal technical review is a s/w quality control activity performed by _____.
- (15) List the quality factors.
- (16) Which SDLC model is also known as classical life cycle model ?
- (17) List out the types of bugs.
- (18) Which SDLC model is used to convert old system into new system ?
- (19) Give the definition of test case.
- (20) Which model is developed by _____.

- 2 (a) Attempt any three questions : 6
- (1) Define fault and failure.
 - (2) Give the difference between verification and validation.
 - (3) Explain stress testing.
 - (4) Explain object diagram.
 - (5) Define Freeware and Shareware.
 - (6) Explain waterfall model.
- (b) Attempt any three questions : 9
- (1) Explain Quality Factors.
 - (2) Explain Test case.

- (3) State the difference between Static and Dynamic Testing.
- (4) Write short note on LOC.
- (5) Explain time line chart.
- (6) What is automated testing ? Explain types of automated testing.

(c) Attempt any two questions : **10**

- (1) Write short note on COCOMO.
- (2) Write short note on Graphical Reporting Tool.
- (3) Write short note on MS-Project.
- (4) Write short note on Activity diagram.
- (5) Write short note on Effort Estimation Technique.

3 (a) Attempt any three questions : **6**

- (1) Explain quality.
- (2) Explain bug.
- (3) What is Task Networking Scheduling Method ?
- (4) What is UML ?
- (5) Explain CAD ?
- (6) Give the definition of test artifacts and software testing.

(b) Attempt any three questions : **9**

- (1) Explain how to monitor and control progress ?
- (2) Write the features of MS-Visio.

- (3) Explain empirical project estimation.
- (4) Explain win runner.
- (5) Explain PERT Chart.
- (6) Give the difference between QA and QC.

(c) Attempt any two questions :

10

- (1) Explain Function point metric.
 - (2) Write short note on SQA Activities.
 - (3) Explain static testing in detail.
 - (4) Write short note on QTP.
 - (5) Write short note on Spiral Model.
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