

Seat No.	
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B.C.A. (Semester - IV) (New) (CBCS) Examination Mar/Apr-2018
SOFTWARE TESTING

Time: 2½ Hours

Max. Marks: 70

Instructions: 1) All Questions are compulsory.
 2) Figures to the right indicate full marks.

Q.1 A) Choose the correct alternatives: **07**

- 1) Who leads a walkthrough?

a) Author	b) Moderator
c) Reviewer	d) Scribe
- 2) Which is not a type of Review?

a) Requirement Analysis	b) Peer to peer
c) Technical	d) Walk through
- 3) White Box Testing is not concern with _____.

a) Statement Coverage	b) Decision Coverage
c) Cause and Effect Coverage	d) Multiple Condition Coverage
- 4) Which is not true in case of Soak Testing?

a) Also know as Endurance Testing
b) Running a system at high levels of load for prolonged periods of time
c) Type of Performance Testing
d) Subset of Regression Testing
- 5) Test plans are based on _____.

a) Project Plan	b) Business Plan
c) Support Plan	d) All of these
- 6) STLC is related to which model?

a) Waterfall Model	b) RAD Model
c) V Model	d) Spiral Model
- 7) _____ verifies that all elements mesh properly and overall system functions/performance is achieved.

a) Integration testing	b) System testing
c) Unit testing	d) Validation

Q.1 B) State whether True or False:- **04**

- 1) Software testing is a method of assessing the functionality of a software program.
- 2) A review is a systematic examination of a document by one or more people with the main aim of finding and removing errors early in the software development life cycle.
- 3) Black box testing is also known as Glass box testing.
- 4) Soak Testing is a type of performance test that verifies a system's stability and performance characteristics over an extended period of time.

Q.1 C) Fill in the blanks:-**03**

- 1) _____ regression testing, executed during the unit testing phase, tests the code as a single unit. It has a narrow and focused approach, where complex interactions and dependencies outside the unit of code in question are temporarily blocked.
- 2) _____ testing is a type of acceptance testing; performed to identify all possible issues/bugs before releasing the product to everyday users or public.
- 3) _____ testing is a commonly used term for software testing performed without planning and documentation, but can be applied to early scientific experimental studies.

Q.2 Solve any seven from the following**14**

- a) What is difference between bug and defect?
- b) What is Boundary Value Analysis?
- c) What is Equivalence Partitioning?
- d) What is Stress testing?
- e) What is the Alpha testing and Beta testing?
- f) What is Smoke testing?
- g) What is Retrospect meeting?
- h) List any two uses of testing.
- i) What is Volume testing?

Q.3 A) Attempt any two from the following**10**

- 1) What is Path testing? Explain Control Flow Graph path testing technique with example.
- 2) What is Peer review? Explain the characteristics of Peer review.
- 3) What is test case? Explain the characteristics of good test case.

B) What is Regression testing? Explain regional regression testing.**04****Q.4 Answer any two from the following:-****14**

- a) Explain the test case template with suitable example.
- b) Explain the software test life cycle in detail.
- c) Explain White box testing in detail.

Q.5 Answer any two from the following:-**14**

- a) What is integration testing? Explain Top-down and Bottom-up integration testing.
- b) Explain Black box testing in detail.
- c) Explain the defect life cycle in detail.