University of Mumbai

Examination 2020 under cluster 4 (PCE)

Program: BE Information Technology
Curriculum Scheme: Rev 2012
Examination: BE Semester VIII
Course Code: BEITC8046 and Course Name: Software Testing and Quality Assurance

Time: 1 hour   Max. Marks: 50

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Note to the students:- All the Questions are compulsory and carry equal marks .

Q1.	Which of these testing done by developers?
Option A:	Unit testing
Option B:	Integration testing
Option C:	Validation testing
Option D:	Acceptance testing
Q2.	Which of the following is not a test type?
Option A:	Security testing
Option B:	Fictional testing
Option C:	Database testing
Option D:	Statement testing
Q3.	Which aspect is kept in mind while performing testing?
Option A:	Goal
Option B:	Specifications
Option C:	Requirements
Option D:	Team members
Q4.	Acceptance testing is performed by
Option A:	System engineer
Option B:	End users
Option C:	Software developer
Option D:	Testing team
Q5.	Among multiprocessor systems and interactive systems which of these is least tested?
Option A:	Valid inputs
Option B:	Invalid inputs
Option C:	Edited inputs
Option D:	Race Condition
Q6.	What is an Equivalence Partition?
Option A:	A set of test cases for testing classes of objects.
Option B:	An input or output ranges of values having only one value in the range becomes a test case.
Option C:	An input or output range of values having each value in the range becomes a test case
Option D:	An input or output range of values having every tenth value in the range becomes a test case

Q7.	A document that contains description of any event that has happened which requires further investigation is called as
Option A:	Test summary report
Option B:	Defect report
Option C:	Bug report
Option D:	Incident report
Q8.	A review is similar to an inspection or walk-through, except that the review team also includes
Option A:	Customer
Option B:	Developer
Option C:	Tester
Option D:	Management
Q9.	Which testing is the re-execution of some subset of tests that have already been conducted to ensure the changes that are not propagated?
Option A:	Unit testing
Option B:	Integration testing
Option C:	Regression testing
Option D:	Thread-based testing
Q10.	What is set of boundary values for testing input box accepting numbers from 22-40?
Option A:	21,22,23,39,40,41
Option B:	22,23,40,41
Option C:	22,23,39,40
Option D:	22,32,40,41
Q11.	Test engineer is responsible for
Option A:	Test planning the given task by the test manager
Option B:	Providing tool training ,if needed
Option C:	Interacting with customer
Option D:	Designing the test cases
Q12.	Which of the following term describes testing?
Option A:	Finding broken code
Option B:	Evaluating deliverable to find errors
Option C:	A stage of all projects
Option D:	Correcting bugs
Q13.	Which testing is an integration testing approach that is commonly used when shrink-wrapped software products are being developed?
Option A:	Regression Testing
Option B:	Integration testing
Option C:	Smoke testing
Option D:	Validation testing
Q14.	Which of the following issues is not must be addressed if a successful software

	testing strategy is to be implemented?
Option A:	Use effective formal technical reviews as a filter prior to testing
Option B:	Develop a testing plan that emphasizes rapid cycle testing
Option C:	State testing objectives explicitly
Option D:	Software metrics
Q15.	Identify the correct option with reference to Software Quality Metrics
Option A:	Integrity = [Sigma(1 – threat)] * (1 – security)
Option B:	Integrity = [1 – Sigma(threat)] * (1 – security)
Option C:	Integrity = [1 – threat * Sigma(1 – security)]
Option D:	Integrity = Sigma[1 – threat * (1 – security)]
Q16.	Automation does not support
Option A:	Reduction of testing support
Option B:	Load testing
Option C:	Only single tool is enough
Option D:	Avoid manual mistakes
Q17.	Static testing tools will not do following analysis
Option A:	Control flow
Option B:	Data use
Option C:	Path
Option D:	Lines of Code
Q18.	JMeter is a tool for
Option A:	Test management
Option B:	Functional/regression testing
Option C:	Performance testing
Option D:	Test planner
Q19.	TestDirector is a tool for
Option A:	Test management
Option B:	Functional/regression testing
Option C:	Performance testing
Option D:	Test planner
Q20.	The tools that record events at the time of running the system and place the information into a script are called as
Option A:	Test data generator
Option B:	Test case generator
Option C:	Coverage analysis tools
Option D:	Capture playback tools
Q21.	One of the statement is not true for web based system
Option A:	It should be unscalable
Option B:	It must be able to cope with uncertain, random heavy demands on services
Option C:	It must be secure
Option D:	They are subject to assorted legal, social, and ethical scrutiny

Q22.	The class level testing refers to
Option A:	Testing of interactions among the components of an individual class
Option B:	The internal testing of an individual method in class
Option C:	Testing of interactions among objects
Option D:	External inputs and outputs visible to the users of a system
Q23.	How long does entire user requested transaction take including connection and processing time is called as
Option A:	Round trip time
Option B:	Resource utilization
Option C:	Throughput
Option D:	Response time
Q24.	What is the first step of QA?
Option A:	Identification of customer need
Option B:	Servicing
Option C:	Development of standards
Option D:	Material control
Q25.	Which type of management is responsible for the quality objective?
Option A:	Top level management
Option B:	Middle level management
Option C:	Frontline management
Option D:	Bottom level management

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Question	Correct Option (Enter either 'A' or 'B' or 'C' or 'D')
Q1.	A
Q2.	D
Q3.	A
Q4	B
Q5	D
Q6	B
Q7	D
Q8.	D
Q9.	C
Q10.	A
Q11.	C
Q12.	B
Q13.	C
Q14.	D
Q15.	D
Q16.	C
Q17.	D
Q18.	C
Q19.	A
Q20.	D
Q21.	A
Q22.	A
Q23.	A
Q24.	A
Q25.	A