كلية التقنية الالكترونية
طرابلس
College of Electronic Technology - Tripoli

القســـم: الحاسب الالي
أسئلة الامتحان النهائي
لمادة : اختبار البرمجيات
لطلبة الفصل: السابع
رمز المادة: CS414
التاريخ: 2019/09/28
اسم الأستاذ: محمد الجعفري
الزمن: ساعتان

للفصل الدراسي : ربيع 2019

اسم الطالب :................................
رقم القيد ....

Remove Watermark Now

Q7: Circle the correct answer for each of the questions in this section .Make sure to read all the options before choosing the correct answer (15pts)

1: What is the main purpose of Informal review
A. Inexpensive way to get some benefit
B. Find defects
C. Learning, gaining understanding, effect finding
D. Discuss, make decisions, solve technical problems

2: The _____ testing is performed at the developing organization's site
A. Unit testing
B. Beta testing
C. Alpha testing
D. Integration testing

3: The Phases of formal review process is mentioned below arrange them in the correct order
i. Prepare
ii. Identify Problems
iii. Write a Report
iv. Follow Rules
A. i,ii,iv,iii
B. ii,iv,i,iii
C. iv,i,ii,iii
D. ii,i,iv,iii

4: In an Examination a candidate has to score minimum of 24 marks in order to clear the exam.The maximum that he can score is 40 marks .Identify the Valid Equivalence values if the student clears the exam.
A. 22,23,26
B. 21,39,40
C. 29,30,31
D. 0,15,22

5: Which of the following is not the integration strategy ?
A. Design based
B. Big-bang
C. Bottom-up
D. Top-down

6: In which phase static tests are used
A. Requirements
B. Design
C. Coding
D. All of the above

مع تمنياتي للجميع بالتوفيق والنجاح
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7: One of the fields on a form contains a text box which accepts alpha numeric values. Identify the Valid Equivalence class

A. BOOK   B. Book

C. Boo01k   D. book

8: Acceptance tests are normally conduced by the

A. Developers   B. End users

C. Test team   D. System engineers

9: What qualities must an individual possess to test effectively a software application

A. Good Communication Skill   B. Good Error Guessing

C. Good Analytical Skill   D. All of the above

10: A project that is in the implementation phase is six weeks behind schedule. The delivery date for the product is four months away. The project is not allowed to slip the delivery date or compromise on the quality standards established for his product. Which of the following actions would bring this project back on schedule?

A. Eliminate some of the requirements that have not yet been implemented

B. Add more engineers to the project to make up for lost work

C. Ask the current developers to work overtime until the lost work is recovered

D. Hire more software quality assurance personnel

11: For the code fragment given below, which answer correctly represents minimum tests required for statement and branch coverage respectively?

Discount rate=1;

Fare = 1000;

If ((person == "senior citizen") and ("travel month = January"))

Bonuspoints = 100+Bonuspoints

If (class=="first")

discountRate = 5;

Fare = fare * discountRate;

A. Statement Coverage = 1, Branch Coverage = 2

B. Statement Coverage = 2, Branch Coverage = 2

C. Statement Coverage = 1, Branch Coverage = 3

D. Statement Coverage = 2, Branch Coverage = 4

12: Which of the following is NOT a type of non-functional test?

A. State-Transition

B. Usability

C. Performance

D. Security

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13: When Integration testing should begin

A. during black-box testing

B. Before unit testing is complete

C. once unit testing is complete for the integrating components

D. All of the above

14: One of the fields on a form contains a text box which accepts numeric values in the range of 18to 25. Indentify the invalid Equivalence class

A. 17   **B.** 19
C. 24   **D.** 21

15: Given the Following program
IF X <>= Z
THEN Statement 2;
END
McCabe's Cyclomatic Complexity is :

A. 2   **B.** 3
C. 4   **D.** 5

16: Which of the following is not a type of incremental testing approach?

A. Top down   **B.** Big-bang
C. Bottom up   **D.** Sandwich integration

17: indicates how important it is to fix the bug and when it should be fixed:

A. Severity

B. Priority

C. All of the above

D. None of the above

18: When to stop Testing?

A. Stop when scheduled time for testing expires

B. Stop if 75% of the pre-defined number of errors is detected

C. Stop when all the test cases execute with detecting few errors

D. None above

19: Which of the following is true about White and Black Box Testing Technique:-

A. Equivalence partitioning, Decision Table and Control flow are White box Testing Techniques

B. Equivalence partitioning, Boundary Value Analysis , Data Flow are Black Box Testing Techniques

C. Equivalence partitioning , State Transition , Use Case Testing are black box Testing Techniques

D. Equivalence Partitioning, State Transition, Use Case Testing and Decision Table are White Box Testing Techniques

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20: What is the normal order of activities in which software testing is organized ?
A. Unit, integration, functioning, performance
B. Functioning, integration, unit, performance
C. Unit, integration, performance, functioning
D. None of the above

21: Order numbers on a stock control system can range between 10000 and 99999 inclusive
Which of the following inputs might be a result of designing tests for only valid equivalence classes and valid boundaries:
A. 1000, 5000, 99999
B. 9999, 50000, 100000
C. 10000, 50000, 99999
D. 10000, 99999

22: Error guessing is best used
A. After more formal techniques have been applied
B. By inexperienced testers
C. After the system has gone live
D. Only by end users

23: Test Plan
A. Road map for testing
B. Tells about the actual results and expected results
C. Both a and b
D. None of the above

24: If the pseudocode below were a programming language ,how many tests are required to achieve 100% statement coverage?
1. If x=3 then
2. Display_messageX;
3. If y=2 then
4. Display_messageY;
5. Else
6. Display_messageZ;
7. Else
8. Display_messageZ;
A. 1
B. 2
C. 3
D. 4

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25: What type of testing will you perform on internet banking solution?
A. Performance integration
B. Functional testing
C. Non-functional testing
D. Requirements testing

26: Majority of system errors occur in the phase
A. Requirements Phase
B. Analysis and Design Phase
C. Development Phase
D. Testing Phase

27: In case of Large Systems :
A. Only few tests should be run
B. Testing should be on the basis of Risk
C. Only Good Test Cases should be executed
D. Test Cases written by good test engineers should be executed

28: To test a function, the programmer has to write a _____, which calls the function to be tested and passes it test data.
A. Stub
B. Driver
C. Proxy
D. None of the above

29: Purpose of test design technique is :
A. Identifying test conditions only, not Identifying test cases
B. Not Identifying test conditions, Identifying test cases only
C. Identifying test conditions and Identifying test cases
D. Identifying test conditions or Identifying test cases

30: A Test Plan Outline contains which of the following-:
i. Test Items
ii. Test Scripts
iii. Test Deliverables
iv. Environmental Needs
A. i,ii,iii are true and iv is false
B. i,iii,iv are true and ii is false
C. ii,iii are true and i and iv are false
D. i,ii are false and iii , iv are true

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