# Chapter 5 & 3 Exam

1- How do testers add value to iteration and release planning?
   a) Testers determine the priority of the user stories to be developed
   b) Testers focus only on the functional aspects of the system to be tested
   c) Testers participate in the detailed risk identification and risk assessment of user stories
   d) Testers guarantee the release of high-quality software through early test design during the release planning

2- Which TWO of the following options are the exit criteria for testing a system?
   a) Test environment readiness
   b) The ability to log in to the test object by the tester
   c) Estimated defect density is reached
   d) Requirements are translated into given/when/then format
   e) Regression tests are automated

3- Your team uses the three-point estimation technique to estimate the test effort for a new high-risk feature. The following estimates were made:
   Most optimistic estimation: 2 person-hours
   Most likely estimation: 11 person-hours
   Most pessimistic estimation: 20 person-hours

What is the final estimate and measurement error?
   a) 9 person-hours – 2 hours
   b) 9 person-hours – 3 hours
   c) 11 person-hours – 2 hours
   d) 10 person-hours – 3 hours

4- You are testing a mobile application that allows users to find a nearby restaurant based on the type of food they want to eat. Consider the following list of test cases, priorities (i.e., a smaller number means a higher priority), and dependencies:

| Test Case ID | Priority | Dependencies |
|---|---|---|
| TC001 | 3 | TC004 |
| TC002 | 2 | TC001 |
| TC003 | 1 | TC001 |
| TC004 | 2 | none |
| TC005 | 3 | TC002 |

Which of the following test cases should be executed as the Fourth one?
a) TC003          b) TC005          c) TC002                    d) TC001

5- Consider the following test categories (1-4) and agile testing quadrants (A-D):
   1. Usability testing
   2. Component testing
   3. Functional testing
   4. Reliability testing

   A. Agile testing quadrant: business facing, critique the product
   B. Agile testing quadrant: technology facing, supporting the development team
   C. Agile testing quadrant: business facing, supporting the development team
   D. Agile testing quadrant: technology facing, critique the product

   How do the following test categories map onto the agile testing quadrants?
   a) 1A, 2B, 3D, 4C
   b) 1D, 2B, 3C, 4A
   a) 1A, 2B, 3C, 4D
   d) 1D, 2B, 3A, 4C

6- Your team follows the process that uses the DevOps delivery pipeline. The first three steps of this process are:
(1) Code development
(2) Submit code into a version control system and merge it into the "test" branch
(3) Perform component testing for the submitted code

Which of the following is BEST suited to be the entry criterion for step (2) of this pipeline?
a) Static analysis returns no high severity warnings for the submitted code
b) System version control reports no conflicts when merging code into the "test" branch
c) Component tests are compiled and ready to be executed
d) Statement coverage is at least 80%

7- Given the following roles in reviews:
      1. Scribe
      2. Review leader
      3. Facilitator
      4. Manager

   And the following responsibilities in reviews:
      A. Ensures the effective running of review meetings and the setting up a safe review environment
      B. Records review information, such as decisions and new anomalies found during the review meeting
      C. Decides what is to be reviewed and provides resources, such as staff and time for the review
      D. Takes overall responsibility for the review such as organizing when and where the review will take place
      Which of the following BEST matches the roles and responsibilities?
       a) 1A, 2B, 3D, 4C                    c) 1B, 2D, 3A, 4C
       b) 1A, 2C, 3B, 4D                    d) 1B, 2D, 3C, 4A

8- Which of the following is an example of a defect that can be found by static testing but NOT by dynamic testing?

a) Lack of usability provided through the user interface

b) Code with no path that reaches it

c) Poor response times for most of the expected users

d) Required features that are not implemented in the code

9- Which of the following is a benefit of early and frequent stakeholder feedback?

a) Managers are aware of which developers are less productive

b) It allows project managers to prioritize their stakeholder interactions

c) It facilitates early communication of potential quality issues

d) End users better understand why the delivery of the work product is delayed

10- Which of the following is a factor that contributes to a successful review?

a) Ensure management participate as reviewers

b) Providing adequate time to participants to prepare for the review

c) Set reviewer evaluation as an objective

d) Plan to cover one document per review