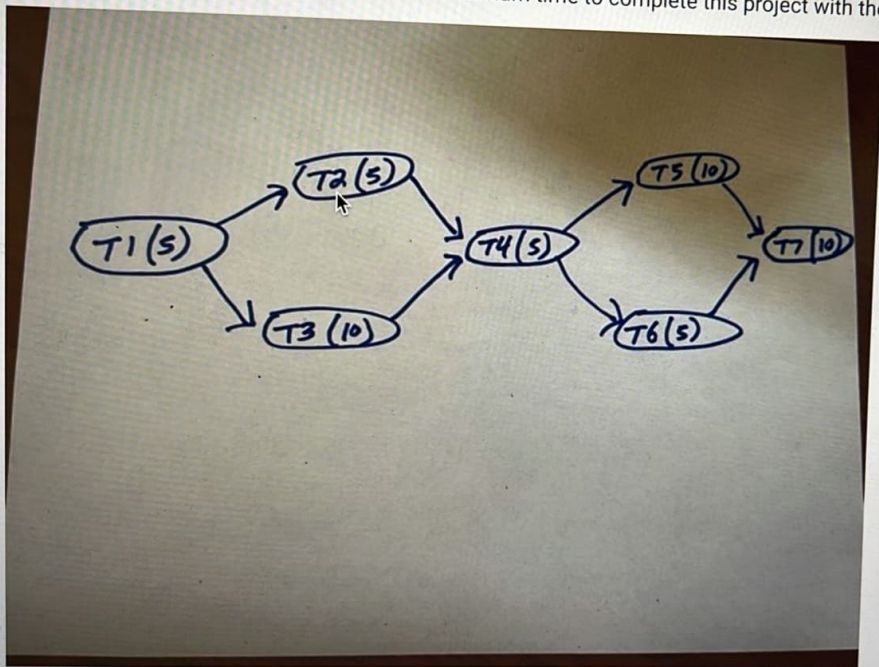Given the following PERT chart, what is the minimum time to complete this project with the critical path?

- ⦿ 40
- ◯ 35

Question 3

Which of the following best describes a testing statement of work (SOW) in an outsourcing plan?

- ○ The SOW defines all of the tasks to be performed but does not identify processes to be followed.

- ○ The SOW defines all of the tasks to be performed but does not identify tools to be utilized.

- ◉ The SOW defines all of the tasks to be performed and relevant processes to be followed.

- ○ The SOW provides captures all of the risks associated with the outsourcing plan and provides mitigation plans.

Question 4

Which of the following best describes the relationship of failure intensity and testing time during system testing?

- ◉ Failure intensity normally decreases over time

- ○ Failure intensity remains constant over time

- ○ Failure intensity increases over time

Question 5

Which of following provides the best calculation of failure intensity?

○ Total number of failures detected during the testing process.

◉ Number of failures detected per cpu hour of testing.

> Number of failures detected per cpu hour of testing.. You selected this answer.

○ Number of failures detected divided by the number of hours of testing.

○ Ratio of the number of severe defects to less intense defects.

Partial

Question 6

Which of the following is a characteristic of a "good test team"?(Select all that apply)

☐ Team members only help when asked

☑ Conflict is resolved quickly

Question 7

3 / 3 pts

Which of the following are the most significant factors of a team's success? (Select all that apply)

- ☑ Ability of the team
- ☑ Motivation of the team
- ☑ Experience of the team
- ☐ Consistency of the team members

Ability of the team. You selected this answer.

6 / 6 pts

Question 8

Question 8

Given the following tasks and earned values, is the project ahead of, on, or behind schedule after week 1?

1A	30	2A	20
1B	30	2B	50
1C	30		

Week 1 To be Completed: 1A, 1B, 1C

Week 1 Actually Completed: 1A, 1B, 2A at a cost of 100

○ Ahead of schedule

○ On schedule

◉ Behind schedule

Question 9

Given the following earned values, is the project over, on, or under budget?

BCWS = 400

BCWP = 200

ACWP = 300

6 / 6 pts

- ● Over Budget

- ○ On Budget

- ○ Under Budget

Question 10

0 / 3 pts

Which of the following types of testing is best for verifying whether the behavior of the system can meet its requirements when the system is subjected to a large amount of activity over an extended period of time?

- ○ Volume testing

- ● Stress testing

Question 11

3 / 3 pts

Which of the following is not part of the criteria for reviewing an incident report?

- ◉ ensuring incident report contains priority

  ensuring incident report contains priority. You selected this answer.

- ○ assess for clarity

- ○ assess for repeatability

- ○ ensuring incident report contains severity evaluation

Question 12

3 / 3 pts

Which of the following best describes a test case per the IEEE standard?

- ◉ A test case must have both input and output specifications

- ○ A test case is targeted towards a particular error type

- ○ A test case needs output specifications but not necessarily input specifications

Question 13

3 / 3 pts

In Risk Based testing, which of the following is not reflected in the calculation of risk exposure? Select all that apply(s).

- ☐ probability of a failure

- ☑ cost of testing

- ☐ consequences of a failure

Question 14

3 / 3 pts

Which of the following statements best characterizes how a test coordinator would utilize the results of risk analysis in risk based testing?

- ◉ Test high risk areas early in the test schedule and more thoroughly than others

- ○ Test high risk areas early in the test schedule and less thoroughly than others since they are likely to change

- ○ Test high risk areas late in the test schedule and more thoroughly than others

- ○ Ensure all areas of the system are tested equally and high risk tests are only executed if time permits

Question 15

Which of the following is an example of a software serviceability requirement?

- ◉ The software should be fixed within 100 hours after a defect is reported

- ○ The software MTBF should be 100 hours

- ○ The software should be able to handle 500 users

- ○ The software shall be available 99.9% of the time

Question 16

Which of the following techniques can best assist with managing the potential large number of tests needed for configuration testing?

- ○ operational profile testing

- ○ fuzz testing

- ◉ Design of Experiments

- ○ functional testing

Question 17

3 / 3 pts

Which of the following best describes the relationship between reliability and availability?

○ High availability and low reliability cannot exist together

○ High availability implies high reliability

◉ A system can have poor reliability but also high availability.

○ Low availability implies low reliability

Question 18

3 / 3 pts

Given the following example, what is the test effectiveness? Assume during testing the test found 50 defects and 20 defects are discovered by other means during the product life cycle by the user.

◉ 0.7

○ 0.5

Question 19

4 / 4 pts

Which of the following is a factor(s) to consider in estimating the time that it will take to adequately test a software application?(Select all that apply)

☑ Efficiency of testing process

Efficiency of testing process. You selected this answer.

☑ Scope of the project

☑ Complexity of the code

☐ Planned date for resource onboarding

Question 20

3 / 3 pts

Which of the following best describes how a testing organization might utilize the GQM paradigm?

◉ Use GQM to reduce testing time and improve test effectiveness

◯ Use GQM to appease stakeholder wishes

◯ Use GQM to ensure code coverage

Question 21

3 / 3 pts

Which of the following is not a strategy to analyze what went wrong during a retrospective/post mortem?

- ◉ perform regression testing

- ○ Interviews with important people involved

- ○ Understanding team interactions

- ○ Investigating major problems

Question 22

3 / 3 pts

Which of the following is a false statement regarding reliability growth models?

- ◉ Growth models do not use failure intensity as a reliability measurement

- ○ Growth models help to determine when to stop testing

- ○ Growth models require that the right data is collected during testing

Question 23

Which of the following is a false statement regarding reliability estimation models?

- ◉ Estimation models are used prior to test generation

- ○ Estimation models utilize operational profile testing

- ○ Estimation models make assumptions about defect repairs introducing new failures

- ○ Estimation models generally follow mathematical distributions

Question 24

Which of the following activities is normally a part of verifying a serviceability requirement? (Select all that apply)

- ☐ Root cause analysis

- ☑ Releasing fixes

- ☑ Problem isolation

- ☑ Problem verification

Question 25

What is the purpose of configuration testing?

- ◉ o verify that functional and performance requirements are met for all configurations for the system

- ○ To verify that functional and performance requirements are met for at least one of the system configurations

- ○ To verify that functional requirements are met for different configurations for the system

- ○ To verify that performance requirements are met for different configurations for the system

Incorrect

Question 26

0 / 3 pts

Which of the following types of testing is best for verifying whether the behavior of the system can meet its requirements when the system is subjected to a large amount of activity over a short period of time?

- ○ Stress testing

- ◉ Volume testing

- ○ Security testing

- ○ Regression testing

Question 27

3 / 3 pts

Which of the following statements best describes operational profile testing?

○ Operational profile testing tests the most critical features more extensively.

○ Operational profile testing tests features that are used least by users

◉ Operation profile testing tests features based on their usage by the customer.

○ Operational profile testing provides a high degree of code coverage

Question 28

3 / 3 pts

A confidence test suite in selective regression testing does not necessarily need to address which of the following?

○ Critical functionality

○ High frequency test cases

◉ Low frequency test cases of non-critical functions

Question 29

Which of the following is least important during security testing?

- ⊙ Performance of the application

- ○ Confidentiality of data

- ○ Integrity of data during data modifications

- ○ Availability during a denial of service attack

Question 30

Which of the following is involved in the process of creating a system test plan? (Select all that apply)

- ☑ Creating a testing strategy

- ☑ Identifying dependencies and assumptions

- ☑ Defining objectives of testing activities

- Writing defect reports

☑ Defining objectives of testing activities

☐ Writing defect reports

Question 31

Original Score: 0 / 3 pts Regraded Score: 3 / 3 pts

ⓘ This question has been regraded.

Which one of the following is a method to predict the number of remaining defects in a system?

○ Defect seeding

○ Defect categorization

○ Defect blending

◉ Defect pooling

Quiz Score: **94** out of 101