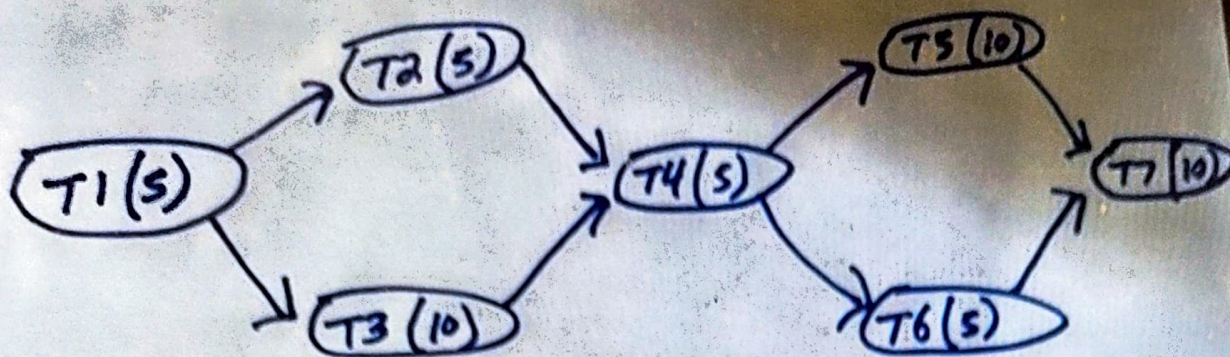ven the following PERT chart, what is the minimum time to complete this project with the critical path?

- 40

- 35

- 30

30

45

Question 3

Which of the following is a criteria which favors an outsourced staffed testing model versus in house testing?

○ Project requirements are stable

Project requirements are changing frequently

Testing requires close interaction with development team

Project requires high quality

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

Testing requires close interaction with development team

Project requires high quality

Question 4

3 / 3 pts

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

- Failure intensity increases over time and then levels off

Question 5

3 / 3 pts

Which of the following best describes the relationship of cumulative number of failures and testing time during system testing?

- ○ The cumulative number of failures increases over time and then levels off

- The cumulative number of failures remains constant over time

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Question 5   3 / 3 pts

Which of the following best describes the relationship of cumulative number of failures and testing time during system testing?

- ● The cumulative number of failures increases over time and then levels off

- The cumulative number of failures remains constant over time

- The cumulative number of failures increases over time and then decreases

- The cumulative number of failures decreases over time

Question 6   3 / 3 pts

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

- Team members are worried what others may think of their questions

- ☐ Conflict is resolved quickly.

The cumulative number of failures remains constant over time

The cumulative number of failures increases over time and then decreases

The cumulative number of failures decreases over time

Question 6

3 / 3 pts

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

Team members are worried what others may think of their questions

☑ Conflict is resolved quickly.

Team members use 'I' instead of 'We' in accomplishments and problems.

☑ Team members are committed to the project

Question 7

2 / 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

Team members use 'I' instead of 'We' in accomplishments and problems.

☑ Team members are committed to the project

Question 7

2 / 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

Question 8

6 / 6 pts

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

Question 8   6 / 6 pts

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   6 / 6 pts

On schedule

Behind schedule

6 / 6 pts

Question 9

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

BCWS = 400

BCWP = 200

ACWP = 300

- Over Budget

- On Budget

- Under Budget

3 / 3 pts

Question 10

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

On Budget

Under Budget

Question 10

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

Security testing

Regression testing

Question 11

Which of the following is a false statement regarding defect severity and defect priority?

○ All high severity defects are also high priority

Some high severity defects might be low priority

Security testing

Regression testing

Question 11

3 / 3 pts

Which of the following is a false statement regarding defect severity and defect priority?

- ○ All high severity defects are also high priority

- Some high severity defects might be low priority

- One component of defect severity is its impact on the customer

- One component of defect priority is based on the effort needed to repair the defect

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

Some high severity defects might be low priority

One component of defect severity is its impact on the customer

One component of defect priority is based on the effort needed to repair the defect

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3 / 3 pts

Question 12

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

- A test case must be formal

Question 13

3 / 3 pts

Assume you are a system test manager utilizing risk based testing to test a product with 10 features. Which of the following would be useful in developing your risk based tests? (Select all that apply)

Number of projects the testers are working on

Complexity of the code in each feature

A test case needs output specifications but not necessarily input specifications

A test case must be formal

Question 13

3 / 3 pts

Assume you are a system test manager utilizing risk based testing to test a product with 10 features. Which of the following would be useful in developing your risk based tests? (Select all that apply)

Number of projects the testers are working on

☑ Complexity of the code in each feature

☑ Number of modifications made to each feature

☑ Defect history of each feature

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

Defect history of each feature

Question 14

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

operational profile testing

fuzz testing

Design of Experiments

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

3 / 3 pts

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 16

3 / 3 pts

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

3 / 3 pts

Question 16

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

3 / 3 pts

Question 17

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.

Question 18

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

- ○ 0.6

- ○ 0.2

Question 19

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

- ☑ Scope of the project

- ☑ Complexity of the code

  Planned date for resource onboarding

Question 20

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 21

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

- Use GQM to ensure all requirements are tested

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

Growth models show how reliability changes over time

Question 23

0 / 3 pts

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

High availability and low reliability can exist together

High availability implies high reliability

High availability implies low reliability

Low availability implies low reliability

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

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

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Question 26

> ⓘ **This question has been regraded.**

Which of the following types of testing is best for verifying the behavior of the system meets its requirements when its resources are saturated and pushed beyond their limits.

○ Volume testing

○ Stress testing

○ Security testing

○ Regression testing

Incorrect

Question 27

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

○ Security testing

○ Regression testing

Question 28

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

Partial

Question 29

Which of the following is a part of selective regression testing based on modification?

- Rerunning all tests

- Ripple effect analysis

- ☑ Rerunning a subset of tests

- Executing a standard confidence test

Question 30

Which of the following is a method for predicting the number of remaining defects in a system? (Select all that apply)

Code coverage

○ Defect pooling

Reliability modeling

Defect weeding

Question 31

Original Score: 3 / 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

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