

1.

How are time elements added to BasicBallot contract we discussed earlier?

1 point

☐

Using “now” variable along with the message sender

☒

Using “now” variable along with enum for stages

☐

Using “now” variable

☐

Using timestamp and epoch time

2.

In BallotWithStages.sol, how are the stages validated in register and vote functions?

1 point

☐

Using if and throw statements

☐

Using if and assert statements

☐

Using if and require statements

☒

Using if and return statements

3.

Compile and create BallotWithStages.sol. Immediately try and vote. What is the status of the transaction? [After the transaction is initiated observe the console window at the bottom of Remix IDE. Click on Details button to check if transaction was successful or failed]

1 point

☒

Transaction mined and execution succeeds

☐

Transaction mined and execution fails

☐

Transaction failed and execution succeeds

☐

Transaction failed and execution fails

4.

Time variable “now” does not provide the real current time. True or False?

1 point

☐

False

☒

True

5.

In BallotWithModifier.sol, where is the condition about the stages defined?

1 point

☒

Inside the modifier

☐

Inside the function parameters

☐

Inside the constructor

☐

Inside the function

6.

Assert statement in the winningProposal method of BallotWithModifier.sol makes sure that the function does not return a value if nobody voted. True or False?

1 point

☐

True

☒

False

7.

Compile and create BallotWithModifier.sol. Immediately try and vote. What is the status of the transaction? [After the transaction is initiated observe the console window at the bottom of Remix IDE. Click on Details button to check if transaction was successful or failed]

1 point

☐

Transaction mined and execution succeeds

☒

Transaction mined and execution fails

☐

Transaction failed and execution succeeds

☐

Transaction failed and execution fails

8.

Even though we have specified only tens of seconds (30 and 60 seconds) as the stage time, the stage time or duration in real-life application it could be longer. True or False?

1 point

☒

True

☐

False

9.

What stage does the contract have to be in for winningProposal to produce a result?

1 point

☐

1 (Register Stage)

☐

0 (Init Stage)

☐

2 (Vote Stage)

☒

3 (Done Stage)

10.

In BallotWithModifiers.sol, how is the end of voting stage indicated to the other applications?

1 point

☐

Using the fallback function

☐

Using the return value of the function

☐

Using the callback function

☒

Using the event votingCompleted

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1 / 1 point

✔

Correct

2. In BallotWithStages.sol, how are the stages validated in register and vote functions?

1 / 1 point

✔

Correct

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1 / 1 point

✔

Correct

4. Time variable “now” does not provide the real current time. True or False?

1 / 1 point

✔

Correct

5. In BallotWithModifier.sol, where is the condition about the stages defined?

1 / 1 point

✔

Correct

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0 / 1 point

✘

Incorrect

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1 / 1 point

✔

Correct

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1 / 1 point

✔

Correct

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1 / 1 point

✔

Correct

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1 / 1 point

✔

Correct