# NI

## Exam CLAD

## Certified LabVIEW Associate Developer Examination

**Version: 4.0**

**[ Total Questions:   80 ]**

## Question No : 1

Which of the following allows you to plot any set of points, evenly distributed or not?

**A.** Waveform Graph
**B.** Waveform Chart
**C.** XY Graph
**D.** Both A. and C.

**Answer: C**

## Question No : 2

What is an advantage of using a Strictly Typed VI ref num?

**A.** The data types of the target VI are known at compile time
**B.** The data types passed to the VI can change programmatically
**C.** You can flatten the data to a string to improve code performance
**D.** Causes dynamically loaded VIs to be loaded at the start of execution

**Answer: A**

## Question No : 3

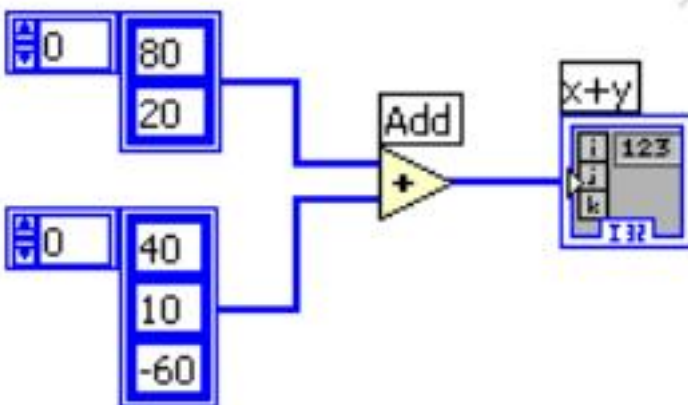Which of the following statements is true about the iteration terminal

?

**A.** It returnsthe number of times the loop has executed
**B.** It returns the number of times the loop has executed, plus one
**C.** It returns the number of times the loop has executed, minus one
**D.** It returns a constant number

**Answer: C**

**Question No : 4**

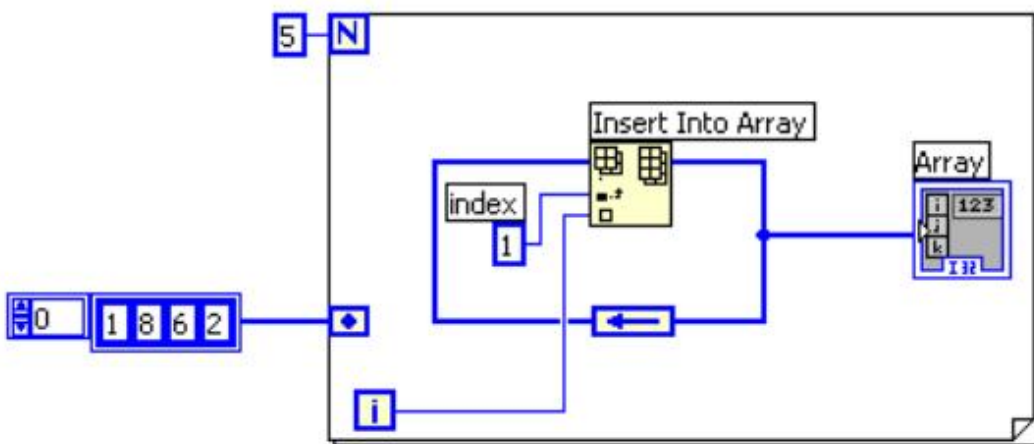What is the result of the following Array addition?



**A.** a.1-D Array of {80, 20, 40, 10,-60}
**B.** b.1-D Array of {120, 30,-60}
**C.** c.1-D Array of {120, 30}
**D.** d.2-D Array of {{120, 90, 20}, {60, 30,-40}}

**Answer: C**

**Question No : 5**

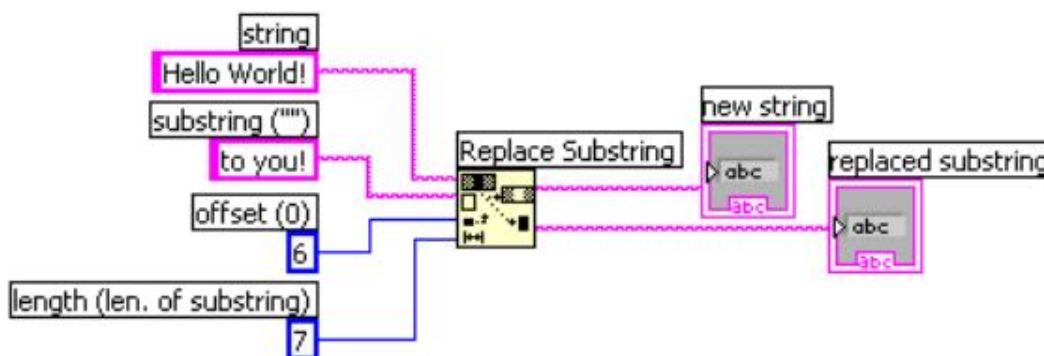What is the result in Array after the following code has executed?



**A.** A 1-D array of {1, 4, 3, 2, 1, 0}

**B.** A 1-D array of {1, 8, 0, 1, 2, 3, 4, 6, 2}
**C.** A 1-D array of {1, 4, 3, 2, 1, 0, 8, 6, 2}
**D.** A 1-D array of {1, 8, 0, 1, 2, 2, 9}

**Answer: C**

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### Question No : 6

What is the result in new string after the following code has executed?



**A.** Hello to you!
**B.** Hello Wto you!
**C.** Hello to you!!
**D.** Helloto you!

**Answer: A**

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### Question No : 7

Which combination of words correctly completes the following statement?

Unlike _____, which display an entire waveform that overwrites the data already stored, _____ update periodically and maintain a history of the data previously stored.

**A.** Graphs;Charts
**B.** Charts;Plots
**C.** Plots; Graphs

**D.** C harts; Graphs

**Answer: A**

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## Question No : 8

Which of the following is NOT a component of an Error Cluster?

**A.** Status.
**B.** Code.
**C.** Source.
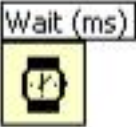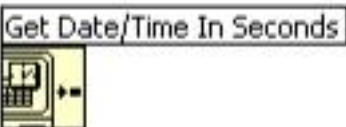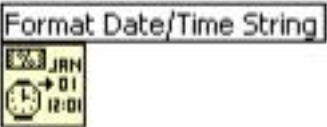**D.** VI name

**Answer: D**

## Question No : 9

What VI is typically used to terminate an Error Cluster wire and to display any error message?

**A.** Merge Errors
**B.** One Button Dialog/Two Button Dialog
**C.** Generate Front Panel Activity
**D.** Simple Error Handler

**Answer: D**

## Question No : 10

Which timing function (VI) is the best choice for timing control logic in applications that run for extended periods of time?

A. 
```
Tick Count (ms)
```

B. 
```
Wait (ms)
```

C. 
```
Get Date/Time In Seconds
```

D. 
```
Format Date/Time String
```

**A.** Option A
**B.** Option B
**C.** Option C
**D.** Option D

**Answer: C**

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**Question No : 11**

Which of the following apply to Property Nodes? (Choose all apply)

**A.** Property Nodes allow attributes of front panel objects to be programmaticallymanipulated.
**B.** Property Nodes can be used to update the values contained in a front panelobject.
**C.** More than one Property Node can be used for a single front panel object.
**D.** Property Nodes contained in aSubVI will always cause the front panel to beloaded in memory.

**Answer: A,B,C,D**

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**Question No : 12**

What is the output of the Initialize Array function after the following code has executed?

**A.** a.1-D Array of {3, 3, 3, 3}
**B.** b.1-D Array of {4, 4, 4}
**C.** c.1-D Array of {3, 4}
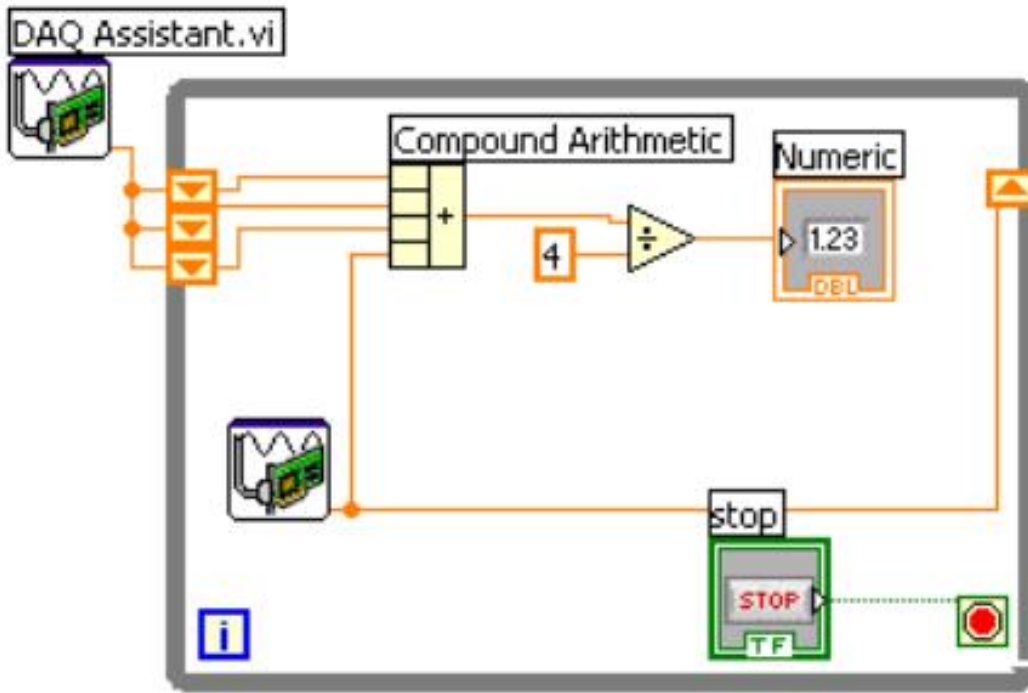**D.** d.1-D Array of {4, 3}

**Answer: A**

## Question No : 13

If an input name on the Show Context Help window is in bold for a SubVI, which of the following conditions are true? (Choose all apply)

**A.** Input values must be scalar.
**B.** An input is recommended, but not required.
**C.** An input is required.
**D.** A broken run arrow will result unless the input is wired.

**Answer: C,D**

## Question No : 14

Which of the following accurately describes the output that results from execution of the following loop?

**A.** The last three values from the DAQ Assistant will be displayed.

**B.** A running average of all measurements will be displayed.

**C.** An average of the last four measurements will be displayed.

**D.** None of the above

**Answer: C**

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**Question No : 15**

Which of the following graphs matches the result in Comparison Values after the following code has executed?



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