Quiz review

Started on	Thursday, 16 May 2024, 2:24 PM
State	Finished
Completed on	Thursday, 16 May 2024, 2:44 PM
Time taken	19 mins 35 secs
Marks	13.00/15.00
Grade	**86.67** out of 100.00
Feedback	Congratulations!!! You have passed by securing more than 80%

Question 1

Correct

Mark 1.00 out of 1.00

Stephany is learning to draw a flowchart to calculate the area of a circle. Select the appropriate option that would fit into the process section of the flow chart?

Select one:

- a. Read the value of radius
- b. Area=3.14*radius*radius ✔
- c. Print the area
- d. Check if radius has positive value

Your answer is correct.

Any process/action involved in a problem would fit into the process section of a flowchart and should be denoted by the rectangle symbol. Calculation of area is the process involved in the above problem

The correct answer is: Area=3.14*radius*radius

Question 2

Correct

Mark 1.00 out of 1.00

Arrange the words given below in a meaningful sequence.

1. Word 2. Paragraph 3. Sentence 4. Letters 5. phrase

Select one:

- a. 4,1,5,3,2 ✔
- b. 4,2,5,1,3
- c. 4,1,5,2,3
- d. 4,1,3,5,2

Your answer is correct.

One should first know letters to make a word, then a phrase, then a sentence and finally a paragraph

The correct answer is: 4,1,5,3,2

Question 3

Incorrect

Mark 0.00 out of 1.00

Identify the meaningful variable names which can be used?

Select one or more:

- a. 1num
- b. user name ✘
- c. user1 ✔
- d. $register_number ✔

Your answer is incorrect.

Variable names should not start with a number, should not have spaces in between, should not start with symbols except dollar($) and underscore(_)

The correct answers are: $register_number, user1

Question 4

Correct

Mark 1.00 out of 1.00

Choose the correct and meaningful pseudo-code to add two numbers?

Select one:

a.
Start the process
READ a,b
ADD a,b and store it in sum
Display sum
Stop

b.
BEGIN
READ a, b
sum=add(a,b)
DISPLAY sum
END

c. ✔
BEGIN
DECLARE number1,number2,sum
READ number1,number2
sum<----number1+number2
PRINT sum
END

d.
BEGIN
READ a, b
sum=a+b
PRINT sum
END

Your answer is correct.

Usage of proper indentation, meaningful variable names, and correct logic makes the pseudo-code effective

The correct answer is:

```
BEGIN
    DECLARE number1,number2,sum
    READ number1,number2
    sum<----number1+number2
    PRINT sum
END
```

Question 5

Correct

Mark 1.00 out of 1.00

Match the appropriate Flowchart symbols with its purpose.


Start/Stop ✔

Flow direction ✔


Connector ✔


Decision making ✔


Process ✔


Input/output ✔

Your answer is correct.

The correct answer is:


→ Start/Stop,

→ Flow direction,


→ Connector,


→ Decision making,


→ Process,


→ Input/output

Question 6

Correct

Mark 1.00 out of 1.00

Match the symbols and flowchart to its appropriate functionality

Parallelogram — Input/output ✔

Rectangle — Process ✔

Diamond — Decision making ✔

Your answer is correct.

The correct answer is: Parallelogram → Input/output, Rectangle → Process, Diamond → Decision making

Question 7

Correct

Mark 1.00 out of 1.00

Which of the following represents the correct sequence for the given pseudo-code?

BEGIN

END

a.
READ number1 and number2
DECLARE variables – number1, number2, result
result <- number1 * number2
PRINT result

b.
DECLARE variables – number1, number2, result
result <- number1 * number2
READ number1 and number2
PRINT result

c.
DECLARE variables – number1, number2, result
READ number1 and number2
PRINT result
result <- number1 * number2

d. ✔
DECLARE variables – number1, number2, result
READ number1 and number2
result <- number1 * number2
PRINT result

Your answer is correct.

The correct answer is:

DECLARE variables – number1, number2, result
READ number1 and number2
result <- number1 * number2
PRINT result

Question 8

Incorrect

Mark 0.00 out of 1.00

Expression is a combination of _____, _____ and _____

Select one or more:

- a. variables ✔
- b. functions ✖
- c. operators ✔
- d. constants ✔
- e. keywords

Your answer is incorrect.

Expression is a combination of operands and operators. This operand can be a variable or a constant

The correct answers are: variables, constants, operators

Question 9

Correct

Mark 1.00 out of 1.00

Which of the following represents the correct sequence for the given algorithm?

a. Start
Get the two numbers.
Add the two numbers and store the result in sum.
Display the sum value.
Stop

b. Start
Add the two numbers and store the result in sum.
Get the two numbers.
Display the sum value.
Stop

c. Get the two numbers.
Start
Add the two numbers and store the result in sum.
Display the sum value.
Stop

d. Start
Get the two numbers.
Display the sum value.
Add the two numbers and store the result in sum.
Stop

Your answer is correct.

The correct answer is:

Start
Get the two numbers.
Add the two numbers and store the result in sum.
Display the sum value.
Stop

Question 10

Correct

Mark 1.00 out of 1.00

An algorithm described in the form of programming language is Pseudo code ✔

Your answer is correct.

The correct answer is:
An algorithm described in the form of programming language is [Pseudo code]

Question 11

Correct

Mark 1.00 out of 1.00

Choose the correct arrangement of mathematical symbols to make the equation true.

a. 600 [+] 400 [-] 800 [×] 300 [/] 200 = 200

b. 600 [/] 400 [+] 800 [-] 300 [×] 200 = 200

c. 600 [×] 400 [/] 800 [-] 300 [+] 200 = 200 ✔

d. 600 [-] 400 [+] 800 [/] 300 [×] 200 = 200

Your answer is correct.

The correct answer is:

600 [×] 400 [/] 800 [-] 300 [+] 200 = 200

Question 12

Correct

Mark 1.00 out of 1.00

Which of the following represents the correct sequence for the given pseudo-code?

BEGIN

[1] READ mark1, mark2, mark3, mark4, mark5

[2] PRINT average

[3] total < mark1 + mark2 + mark3 + mark4 + mark5

[4] average < total / 5

[5] DECLARE mark1, mark2, mark3, mark4, mark5, total, average

END

a. 1 5 4 3 2

b. 5 1 4 3 2

c. 5 1 3 4 2 ✔

d. 1 5 3 4 2

Your answer is correct.

The correct answer is:

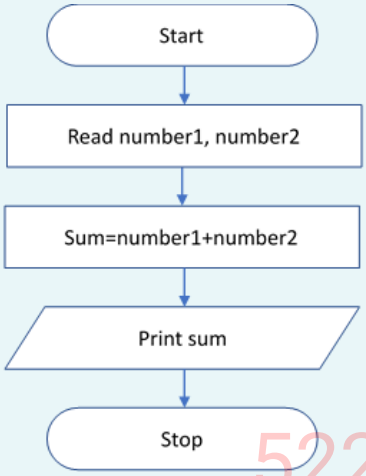
5 1 3 4 2

Question 13

Correct

Mark 1.00 out of 1.00

Flow chart for adding numbers



Is the given flowchart correct?

Select one:

- a. The symbol for reading input from the user is incorrect ✔
- b. The flowchart has no error
- c. The symbol for process is incorrect
- d. The symbol for start/stop is incorrect

Your answer is correct.

Input/output process like reading values, getting input from the user is denoted by parallelogram symbol

The correct answer is: The symbol for reading input from the user is incorrect

Question 14

Correct

Mark 1.00 out of 1.00

Rearrange the pseudo-code for multiplying two given numbers, Choose the correct option from the below.

1 BEGIN

2 result <- number1 * number2

3 PRINT result

4 READ number 1 and number 2

5 DECLARE variables – number1, number2, result

6 END

a. 1 4 5 2 3 6

b. 1 4 5 3 2 6

c. 1 5 4 3 2 6

d. 1 5 4 2 3 6 ✔

Your answer is correct.

The correct answer is:
1 5 4 2 3 6

Question 15

Correct

Mark 1.00 out of 1.00

Examine the correct logic with their descriptions

```
BEGIN
    DECLARE mark1, mark2, mark3, average
    READ mark1, mark2, mark3
    average <- (mark1+mark2+mark3)/3
    PRINT average
END
```

finding the average mark of three subjects ✔

```
BEGIN
    DECLARE principal, number_of_years, rate_of_interest,result
    READ principal, number_of_years, rate_of_interest
    result <---(principal* number_of_years*, rate_of_interest)/100
    PRINT result
END
```

calculating simple interest problem ✔

```
BEGIN
    DECLARE radius,circumference
    READ radius
    circumference <---- 2*3.14*radius
    PRINT circumference
END
```

calculating the perimeter of a circle ✔

Your answer is correct.

The correct answer is:

```
BEGIN
    DECLARE mark1, mark2, mark3, average
    READ mark1, mark2, mark3
    average <- (mark1+mark2+mark3)/3
    PRINT average
END
```

→ finding the average mark of three subjects,

```
BEGIN
    DECLARE principal, number_of_years, rate_of_interest,result
    READ principal, number_of_years, rate_of_interest
    result <---(principal* number_of_years*, rate_of_interest)/100
    PRINT result
END
```

→ calculating simple interest problem,

```
BEGIN
    DECLARE radius,circumference
    READ radius
    circumference <---- 2*3.14*radius
    PRINT circumference
END
```

→ calculating the perimeter of a circle

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