

Python basic

2022

BD_2022.pdf

1. Question 1 (1 mark)

- State True or False: "Identifiers are names used to identify a variable, function in a program."

2. Question 2 (1 mark)

- Which of the following is a valid keyword in Python? (a) false
(b) return
(c) non_local
(d) none

3. Question 3 (1 mark)

Given the following Tuple:

Tup= (10, 20, 30, 50)

- Which of the following statements will result in an error? (a) `print(Tup[0])`
(b) `Tup.insert(2,3)`
(c) `print(Tup[1:2])`
(d) `print(len(Tup))`

4. Question 4 (1 mark)

Consider the given expression:

`5<10 and 12>7 or not 7>4`

- Which of the following will be the correct output, if the given expression is evaluated? (a) True
(b) False
(c) NONE
(d) NULL

5. Question 5 (1 mark)

Select the correct output of the code:

```
S= "Amrit Mahotsav @ 75"
```

```
A=S.partition(" ")
```

```
print(A)
```

- (a) `('Amrit Mahotsav', '@', '75')`
(b) `['Amrit', 'Mahotsav', '@', '75']`

- (c) ('Amrit', 'Mahotsav @ 75')
- (d) ('Amrit', '', 'Mahotsav @ 75')

6. **Question 7** (1 mark)

- Fill in the blank:
_____ function is used to arrange the elements of a list in ascending order.
- (a) `sort()`
- (b) `arrange()`
- (c) `ascending()`
- (d) `asort()`

7. **Question 8** (1 mark)

- Which of the following operators will return either True or False? (a) `+=`
- (b) `!=`
- (c) `=`
- (d) `*=`

8. **Question 9** (1 mark)

Which of the following statement(s) would give an error after executing the following code?

```
Stud={"Muruqan":100, "Mithu":95} # Statement 1
```

```
print (Stud[95]) # Statement 2
```

```
Stud ["Muruqan"]=99 # Statement 3
```

```
print(Stud.pop()) # Statement 4
```

```
print(Stud) # Statement 5
```

- (a) Statement 2
- (b) Statement 3
- (c) Statement 4
- (d) Statements 2 and 4
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9. **Question 14** (1 mark)

What will the following expression be evaluated to in Python?

```
print(4+3*5/3-5%2)
```

- (a) 8.5
- (b) 8.0
- (c) 10.2
- (d) 10.0

10. **Question 15** (1 mark)

- Which function returns the sum of all elements of a list?
- (a) `count()`
- (b) `sum()`

- (c) `total()`
- (d) `add()`

11. **Question 16** (1 mark)

- `fetchall()` method fetches all rows in a result set and returns a:

- (a) Tuple of lists
- (b) List of tuples
- (c) List of strings
- (d) Tuple of strings

12. **Question 17** (1 mark)

- Assertion (A): To use a function from a particular module, we need to import the module.

Reason (R): `import` statement can be written anywhere in the program, before using a function from that module.

- (a) Both (A) and (R) are true and (R) is the correct explanation for (A).
- (b) Both (A) and (R) are true and (R) is not the correct explanation for (A).
- (c) (A) is true but (R) is false.
- (d) (A) is false but (R) is true.

13. **Question 18** (1 mark)

- Assertion (A): A stack is a LIFO structure.

Reason (R): Any new element pushed into the stack always gets positioned at the index after the last existing element in the stack.

- (a) Both (A) and (R) are true and (R) is the correct explanation for (A).
- (b) Both (A) and (R) are true and (R) is not the correct explanation for (A).
- (c) (A) is true but (R) is false.
- (d) (A) is false but (R) is true.

1. **Question 1** (1 mark)

- State True or False: "In Python, tuple is a mutable data type."

2. **Question 3** (1 mark)

What will be the output of the following statement?

```
print(6+5/4**2//5+8)
```

- (A) -14.0
- (B) 14.0

- (C) 14
- (D) -14

3. **Question 4** (1 mark)

Select the correct output of the code:

```
S = "text#next"
print(S.strip("t"))
```

- (A) ext#next
- (B) ext#next
- (C) text#next
- (D) ext#next

4. **Question 6** (1 mark)

- 'L' in HTML stands for:

- (A) Large
- (B) Language
- (C) Long
- (D) Laser

5. **Question 7** (1 mark)

- Identify the valid Python identifier from the following:

- (A) 2user
- (B) user@2
- (C) user_2
- (D) user 2

6. **Question 8** (1 mark)

Consider the statements given below and then choose the correct output from the given options:

```
Game="World Cup 2023"
print(Game[-6::-1])
```

- (A) CdrW
- (B) ce o
- (C) puC diroW
- (D) Error

7. **Question 9** (1 mark)

Predict the output of the following Python statements:

```
>>>import statistics as s
```

```
>>>s.mode ([10, 20, 10, 30, 10, 20, 30])
```

- (A) 30
- (B) 20
- (C) 10
- (D) 18.57

8. **Question 10** (1 mark)

Which of the following output will never be obtained when the given code is executed?

```
import random
Shuffle = random.randrange(10)+1
Draw = 10*random.randrange(5)
print ("Shuffle", Shuffle, end="#")
print ("Draw", Draw)
```

- (A) Shuffle 1 # Draw 0
- (B) Shuffle 10 # Draw 10
- (C) Shuffle 10 # Draw 0
- (D) Shuffle 11 # Draw 50

9. **Question 12** (1 mark)

What will be the output of the given code?

```
a=10
def convert(b=20):
    a=30
    c=a+b
    print(a,c)
convert(30)
print(a)
```

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10. **Question 13** (1 mark)

For the following Python statement:

```
N = (25)
```

- What shall be the type of N? (A) Integer
- (B) String
- (C) Tuple
- (D) List

11. Question 15 (1 mark)

- Fill in the blank:

The full form of WWW is _____.

12. Question 17 (1 mark)

- Assertion (A): Global variables are accessible in the whole program.
Reason (R): Local variables are accessible only within a function or block in which it is declared.

- (A) Both (A) and (R) are true and (R) is the correct explanation of (A).
 - (B) Both (A) and (R) are true, but (R) is not the correct explanation of (A).
 - (C) (A) is true but (R) is false.
 - (D) (A) is false but (R) is true.
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