



BRAINWARE UNIVERSITY

Term End Examination 2020 - 21

Programme – Bachelor of Arts (Honours) in Multimedia & Web

Course Name – Python

Course Code - BMW501B

Semester / Year - Semester V

Time allotted : 85 Minutes

Full Marks : 70

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A

(Multiple Choice Type Question)

1 x 70=70

1. *(Answer any Seventy)*

(i) Which of the following structures are used in computer programming?

- | | |
|----------------|-------------|
| a) sequential | b) decision |
| c) Timesharing | d) None |

(ii) Which of the following will give error?

- | | |
|---------------------------|------------------|
| a) a=b=c=1 | b) a,b,c=1 |
| c) a,b,c=1, "python", 1.5 | d) None of these |

(iii) Automatic execution of high-priority computer programs that have been designed to preempt the use of computer resources is referred as :

- | | |
|--------------------------|--------------------------|
| a) Foreground processing | b) Background processing |
| c) Black processing | d) White processing |

(iv) You are asked to use a computer to solve a problem given to you. How fast the computer solves your problem, depends on the _____?

- | | |
|-------------------|-------------------------------------|
| a) Algorithm used | b) Language used for implementation |
| c) Programmer | d) All of these |

(v) Type of programmer who write programs for a specific user to carry out special instructions is classified as

- | | |
|----------------------------|------------------------|
| a) applications programmer | b) analysis programmer |
|----------------------------|------------------------|

c) train programmers

d) design programmers

(vi) What is pip command in python?

a) Step by step execution of the program.

b) Object file.

c) Executable file.

d) package installation.

(vii) ndarray is in

a) numpy

b) sys.

c) matplotlib

d) None of these

(viii) Most of the python code can be found in _____

a) Anaconda

b) Python site

c) Zupyter

d) GitHub

(ix) Which of the following is not a keyword?

a) Read

b) Start

c) Write

d) endif

(x) Which of the functions will return 4 on the set $s = \{3, 4, 1, 2\}$?

a) Sum(s)

b) Len(s)

c) Max(s)

d) Len(s) and Max(s)

(xi) Is Python case sensitive?

a) Yes

b) No

c) Depends on Python Version

d) None of these

(xii) Are nested if-else are allowed in Python?

a) Yes

b) No

c) Sometimes

d) None

(xiii) Which of the following is correct way to declare string variable in Python?

- a) fruit = 'banana'
- b) fruit = "banana"
- c) fruit = banana
- d) fruit = (banana)

(xiv) What will be the output of the following Python code? `class test: def __init__(self): print "Hello World" def __init__(self): print "Bye World" obj=test()`

- a) Hello World
- b) Compilation Error
- c) Bye World
- d) Ambiguity

(xv) What will be the output of the following Python code? `1.>>>str="hello" 2.>>>str[:2] 3.>>>`

- a) He
- b) lo
- c) olleh
- d) hello

(xvi) Which of the following cannot be a variable?

- a) `_int_`
- b) `in`
- c) `it`
- d) `on`

(xvii) What is the type of `inf`?

- a) Boolean
- b) Integer
- c) Float
- d) Complex

(xviii) What is the result of `cmp(3, 1)`?

- a) 0
- b) 1
- c) False
- d) True

(xix) Which of the following is the truncation division operator?

- a) `/`
- b) `%`
- c) `//`
- d) `|`

(xx) Bitwise _____ gives 1 if either of the bits is 1 and 0 when both of the bits are 1.

- a) OR
- b) AND
- c) XOR
- d) NOT

(xxi) Which of the following commands will create a list?

- a) list1 = list()
- b) list1 = []
- c) list1 = list([1, 2, 3])
- d) All of these

(xxii) Suppose list1 is [2, 33, 222, 14, 25], What is list1[-1]?

- a) Error
- b) 25
- c) 2
- d) None

(xxiii) Which of the following is a Python tuple?

- a) [1, 2, 3]
- b) (1, 2, 3)
- c) {1, 2, 3}
- d) {}

(xxiv) What is the output of the following program? from math import * a = 2.13 b = 3.7777 c = -3.12 print(int(a), floor(b), ceil(c), fabs(c))

- a) 2, 3, -4, 3
- b) 2, 3, -3, 3.12
- c) 2, 4, -3, 3
- d) 2, 3, -4, 3.12

(xxv) Is Python case sensitive when dealing with identifiers?

- a) Yes
- b) No
- c) Machine dependent
- d) None

(xxvi) All keywords in Python are in _____

- a) lower case
- b) UPPER CASE
- c) Capitalized
- d) None of these

(xxvii) Operators with the same precedence are evaluated in which manner?

- a) Left to Right
- b) Right to Left
- c) Can't say
- d) None of these

(xxviii) Given a function that does not return any value, What value is thrown by default when executed in shell.

- a) int
- b) bool
- c) Void
- d) None

(xxix) What data type is the object below? L = [1, 23, 'hello', 1]

- a) List
- b) Dictionary
- c) Array
- d) Tuple

(xxx) What does the following code print to the console? name = "maria" if name == "melissa": print("usa") elif name == "mary": print("ireland") else: print("colombia")

- a) Usa
- b) ireland
- c) colombia
- d) None of these

(xxxii) What is the output of the following program? for i in [1, 2, 3, 4][::-1]: print (i)

- a) 4 3 2 1
- b) 1 2 3 4
- c) 3 2 1
- d) 1 2 3

(xxxiii) What will be the output of the following Python code? x = 'abcd' for i in range(x): print(i)

- a) a b c d
- b) 0 1 2 4
- c) Error
- d) None of these

(xxxiiii) What will be the output of the following Python code snippet? x = 2 for i in range(x): x -= 2 print (x)

- a) 0 1 2 3 4 ...
- b) 0 -2
- c) 0
- d) error

(xxxiv) Which of the following keyword is not associated with IF statement?

- a) Else
- b) then
- c) elsif
- d) when

(xxxv) Which of the following represents correct order for keywords?

- a) IF, THEN, ELIF, THEN, ELSE
- b) IF, ELSE, THEN, ELIF, THEN
- c) IF, ELIF, THEN, ELSE, THEN
- d) IF, THEN, ELSE, THEN, ELIF

(xxxvi) A user gets an error at the time of simulation which is “ the IF statement is illegal” what could be the reason?

- a) Using IF statement without ELSE.
- b) Using multiple ELSE statements.
- c) Using IF statement in the architecture body.
- d) Using concurrent assignment in the IF.

(xxxvii) For loop in python is

- a) Entry control loop
- b) Simple loop
- c) Exit control loop
- d) None of these

(xxxviii) Which of the following loop is work on the particular range in python ?

- a) for loop
- b) while loop
- c) do while loop
- d) recursion

(xxxix) What will be the output of the following Python code? string = "my name is x" for i in string: print (i, end=" , ")

- a) m, y, , n, a, m, e, , i, s, , x,
- b) m, y, , n, a, m, e, , i, s, , x
- c) my, name, is, x,
- d) error

(xl) How many times it will print the statement? For I in range(100): Print(i)

- a) 101
- b) 99

c) 100

d) 0

(xli) It is possible to create a loop using goto statement in python ?

a) Yes

b) No

c) Sometimes

d) None

(xlii) l=[],for i in l: print(l), what is the output ?

a) []

b) list

c) print()

d) None

(xliii) What we put at the last of the loop ?

a) semicolon

b) colon

c) comma

d) None

(xliv) Which of the following is Exit control loop in python ?

a) for loop

b) while loop

c) do while loop

d) None of these

(xlv) What is the output of the following program? List = [True, 50, 10]

List.insert(2, 5) print(List, "Sum is: ", sum(List))

a) [True, 50, 10, 5] Sum is: 66

b) [True, 50, 5, 10] Sum is: 65

c) [True, 50, 5, 10] Sum is: 66

d) TypeError: unsupported operand type(s) for +: 'int' and 'str'

(xlvi) What is correct syntax to copy one list into another?

a) listA = listB[]

b) listA = listB[:]

c) listA = listB[>()

d) listA = listB

(xlvii) What will be the output of the following Python code? >>>t=(1,2,4,3)

>>>t[1:3]

a) (1, 2)

b) (1, 2, 4)

c) (2, 4)

d) (2, 4, 3)

(xlviii) What will be the output of the following Python code? `d = {"john":40, "peter":45} d["john"]`

a) 40

b) 45

c) "john"

d) "peter"

(xlix) What will be the output of the following Python code? `def printMax(a, b): if a > b: print(a, 'is maximum') elif a == b: print(a, 'is equal to', b) else: print(b, 'is maximum') printMax(3, 4)`

a) 3

b) 4

c) 4 is maximum

d) None of these

(l) What is the type of each element in `sys.argv`?

a) Set

b) list

c) tuple

d) string

(li) What will be the output of the following Python code? `def foo(): return total + 1 total = 0 print(foo())`

a) 0

b) 1

c) Error

d) none of these

(lii) Observe the following Python code? `def a(n): if n == 0: return 0 else: return n*a(n - 1)`

a) a() is not tail recursive

b) a() is tail recursive

c) Error

d) None of these

(liii) Which of the following statements is false about recursion?

a) Every recursive function must have a base case

b) Infinite recursion can occur if the base case isn't properly mentioned

c) A recursive function makes the code easier to understand

d) Every recursive function must have a return value

(liv) Which of the following functions accepts only integers as arguments?

- a) ord()
- b) min()
- c) chr()
- d) any()

(lv) Suppose there is a list such that: l=[2,3,4]. If we want to print this list in reverse order, which of the following methods should be used?

- a) reverse(l)
- b) list(reverse[(l)])
- c) reversed(l)
- d) list(reversed(l))

(lvi) What is a variable defined inside a function referred to as?

- a) A global variable
- b) A volatile variable
- c) A local variable
- d) An automatic variable

(lvii) What will be the output of the following Python code? a=[13,56,17]

a.append([87]) a.extend([45,67]) print(a)

- a) [13, 56, 17, [87], 45, 67]
- b) [13, 56, 17, 87, 45, 67]
- c) [13, 56, 17, 87,[45, 67]]
- d) [13, 56, 17, [87], [45, 67]]

(lviii) If a=(1,2,3,4), a[1:-1] is _____

- a) Error, tuple slicing doesn't exist
- b) [2,3]
- c) (2,3,4)
- d) (2,3)

(lix) Is the following Python code valid? >>> a=(1,2,3,4) >>> del a

- a) No because tuple is immutable
- b) Yes, first element in the tuple is deleted
- c) Yes, the entire tuple is deleted
- d) No, invalid syntax for del method

(lx) The expression a{5} will match _____ characters with the previous regular expression.

- a) 5 or less
- b) exactly 5
- c) 5 or more
- d) exactly 4

(lxi) _____ matches the end of the string.

- a) '\$'
- b) '^'
- c) '#'
- d) '?'

(lxii) _____ represents an entity in the real world with its identity and behavior.

- a) A method
- b) An object
- c) A class
- d) An operator

(lxiii) What are the methods which begin and end with two underscore characters called?

- a) Special methods
- b) In-built methods
- c) User-defined methods
- d) Additional methods

(lxiv) What will be the output of the following Python code? `class A(): def disp(self): print("A disp()") class B(A): pass obj = B() obj.disp()`

- a) Invalid syntax for inheritance
- b) Error because when object is created, argument must be passed
- c) Nothing is printed
- d) A disp()

(lxv) When will the else part of try-except-else be executed?

- a) Always
- b) when an exception occurs
- c) when an exception occurs in to except block
- d) when no exception occurs

(lxvi) What will be the output of the following Python code? `def foo(): try: print(1) finally: print(2) foo()`

- a) 1
- b) 1 2
- c) 2
- d) None of these

(lxvii) The _____ symbol along with the name of the decorator function can be placed above the definition of the function to be decorated works as an alternate way for decorating a function.

a) #

b) \$

c) @

d) &

(lxviii) What will be the output of the following Python function? `def f(p, q):
return p%q f(0, 2) f(2, 0)`

a) 00

b) 0 divErr

c) Div Err 0

d) Div Err Div Err

(lxix) Find the example of a Python tuple.

a) [1, 2, 3]

b) (1,2,3)

c) {1,2,3}

d) {}

(lxx) Which of the following creates a pattern object?

a) `re.create(str)`

b) `re.regex(str)`

c) `re.compile(str)`

d) `re.assemble(str)`