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Term -1 (2021- 22)

Class -XI

INFORMATICS PRACTICES (CODE 065)

Max Marks: 35

Time: 90 MIN

General Instructions:

1. The question paper is divided into 3 sections- A,B and C.
2. Section A consists of 25 questions (1-25) .Attempt any 20 questions .
3. Section B consists of 24 questions (26-49).Attempt any 20 questions.
4. Section C consists of 6 case study based questions (50-55) .Attempt any 5 questions .
5. All question carry equal marks.

SECTION -A (Attempt only 20 questions)

- Q.1 Dictionary isData type.
(a) integer (b) mutable (c) immutable (d) any of these
- Q.2 Which of the following is valid arithmetic operator in Python ?
(a) // (b) ? (c) < (d) and
- Q.3 Which value type does input() return ?
(a) Boolean (b) string (c) int (d) float
- Q.4 Identify the valid declaration of L=[1,2,3,4,5]
(a) list (b) dictionary (c) array (d) tuple
- Q.5 Full form of RAM is:
(a) Random Accessible Memory (b) Read Access Memory
(c)Random Access Memory (d) Read Available Memory
- Q.6 Which of these is not an operating system?
(a) Windows (b) DOS (c) Linux (d) Oracle
- Q.7 Which is the correct form of declaration of dictionary?
(a) Day = {1 : 'Monday', 2 : 'Tuesday', 3 : 'wednesday'}
(b) Day = {1 ; 'Monday', 2 ; 'Tuesday', 3 ; 'wednesday'}
(c) Day = [1 : 'Monday', 2 : 'Tuesday', 3 : 'wednesday']
(d) Day = {1 'Monday', 2 'Tuesday', 3 'wednesday'}
- Q.8 You have the following code segment:
String1 = "my"
String2 = "work"
print(String1 + string2) What is the output of this code?
(a) my work (b) work (c) mywork (d) my

- Q.9 If list1=[10,20,30,40,50] find out list1[-1] :
 (a) 20 (b) 10 (c) 50 (d) 30
- Q.10 l1=[20,50,100,200]
 print(50 not in l1)
 (a) 50 (b) False (c) True (d) none of the above
- Q.11 Which one of the following is the correct extension of the Python file?
 (a) .p (b) .python (c) .pxy (d) .py
- Q.12 method adds a single item at the end of the list:
 (a) insert() (b) append() (c) extend() (d) add()
- Q.13 Arrange in ascending order of size:
 (a) MB, KB, Byte, Nibble (b) Nibble, KB, MB, GB
 (c) Bit, KB, Nibble, MB (d) Bit, GB, KB, MB
- Q.14 It is a type of system software that translate and execute the instructions line-by-line:
 (a) Object Code (b) Assembler (c) Compiler (d) Interpreter
- Q.15 If list=[10,20,30]
 >>>list*2
 (a) [10,20,30] (b) [10,20,30,10,20,30] (c) [20,40,60] (d) list
- Q.16 Which of the following is not the computer language?
 (a) C++ (b) UNIX (c) Java (d) All of the above
- Q.17 Multiline string in python can be created by enclosing text in _____
 (a) Single quotes(' ') (b) double quotes(" ")
 (c) Triple quotes(" " " " " " " ") (d) all of the above
- Q.18 suppose L=["abc",[6,7,8],3,'mouse'] find L[3]:
 (a) 'mouse' (b) "abc" (c) [6,7,8] (d) 3
- Q.19 Which of the following is valid membership operator?
 (a) in (b) not in (c) both a and b (d) none of the above
- Q.20 What is the output when following statement is executed ?
 >>>"a"+"bc"
 (a) a (b) b (c) abc (d) bca
- Q.21 Modern Computers are very reliable but they are not:
 (a) Fast (b) Powerful (c) Infallible (d) Cheap
- Q.22 Statement x += y is equivalent to _____
 (a) x = x + y (b) x=x*y (c) x=y+x (d) y=y*x
- Q.23 Write the output of following code:
 >>> n1 = 5
 >>> n2 = n1
 >>> n2 is n1

(a) True (b) False (c) Error (d) 5

Q.24 Which escape sequence represents newline character?

(a) \n (b) \t (c) \T (d) \e

Q.25 Which of the following is an assignment operator?

(a) = (b) /= (c) *= (d) all of the above

SECTION -B (Attempt only 20 questions)

Q.26 >>> 14 + 2 ** 2 evaluates to _____

(a) 256 (b) 18 (c) 28 (d) None of the above

Q.27 Which of the following is a sequence data type?

(a) string (b) integer (c) float (d) Dictionary

Q.28 Write the output of the following :

```
>>> a = 'India'
```

```
>>> a *= 3
```

```
>>> a
```

(a) IndiaIndiaIndia (b) India (c) India3 (d) 3India

Q.29 Write the output of the following code :

```
>>> s = None
```

```
>>> s
```

(a) nothing will be printed (b) None (c) Error (d) None of the above

Q.30 Ahaana wants to make a fun program , if user enters any positive number a “Good” or if number is negative a “funny” message will appear . She is confused that which is the most suitable control to be used to make such program. Help her to choose correct option.

(a) if (b) if else (c) if elif (d) nested if

Q.31 Which one of the following is a invalid Python if statement :

(a) if a>=2: (b) if(a>=2): (c) if(a >=2) (d) if (a==2):

Q.32 Which of the following is invalid Identifier?

(a) break (b) FILE34 (c) F_L (d) Myname

Q.33 for i in [100,200,300]:

```
    print(i,end="")
```

(a) 100 (b) 100,200,300 (c) 100 200 300 (d) none of the above

Q.34 sum = 0

```
values = [1,3,5,7]
```

```
for number in values:
```

```
    sum = sum + number
```

```
print(sum)
```

find output of the above given code :

(a) 0 (b) 12 (c) 16 (d) 7

Q.35 x, y= 7,2

```
x, y, x=x+1 ,y+3 ,x+10
```

```
print(x,y)
```



```

name = "maya"
if name == "saya":
    print("delhi")
elif name == "mana":
    print("mumbai")
else:
    print("india")

```

- (a) Delhi (b) delhi (c) india (d) Mumbai

Q.46 Which of the following symbol is used to write comment :

- (a) & (b) \$ (c) # (d) *

Q.47 find output:

```

car_color = "blue"
if 3 > 2:
    if car_color == "black":
        print("You rock!")
    else:

```

- print("Boring")
- (a) Boring (b) You rock! (c) blue (d) black

Q.48 Who developed the Python language?

- (a) Zim Den (b) Wick van Rossum (c) Guido van Rossum (d) Niene Stom

Q.49 find output :

```

x = 3
if x == 0:
    print ("Am I learning python?", end = ' ')
elif x == 3:
    print("Or learning python?", end = ' ')
else :
    pass
print ("Or learning python 4 cbse?")

```

- (a) Am I learning python? (b) Or learning python?
(c) Or learning python 4 cbse? (d) none of the above

SECTION -C (Attempt only 5 questions)

Case Studies Based Questions (50 to 55)

Expressions in programming are like formulas in mathematics: both use values (in Python literals and names bound to values) to compute a result. But unlike mathematics, expressions in Python can compute results of a wide variety of types (e.g., boolean and string) not just mathematical results.

We classify these operators, both symbols and identifiers, into four categories and examine

