

TERM 1 – EXAMINATION (2021-22)
SUBJECT – INFORMATICS PRACTICES (065)
CLASS XI

Time: 90 minutes

Maximum Marks: 35

General Instructions:

- The paper is divided into 3 Sections- A, B and C.
- Section A, consists of Question 1 to 25 and student need to attempt 20 questions.
- Section B, consists of Question number 26 to 49 and student need to attempt 20 questions.
- Section C, consists of Question number 50 to 55 and student need to attempt 5 questions.
- There is no negative marking.
- All questions carry equal marks.

Section – A

Section A consists of 25 questions, attempt any 20 questions.

1. Who developed python programming language
 - a. Alan Turing
 - b. Dennis Richie
 - c. Guido Van Rossum
 - d. Tim Berners Lee

2. Which among the following language translator is used by python
 - a. Compiler
 - b. Interpreter
 - c. Assembler
 - d. All of the above

3. Which among the following is a valid identifier in python
 - a. \$um
 - b. SuM
 - c. Su m
 - d. 1sum

4. Which among the following mode give immediate output in python
 - a. Editor
 - b. Interactive
 - c. Development
 - d. Testing

5. Which among the following used for making multi line comments in python
 - a. ###(triple hash)
 - b. ***(triple star)
 - c. """ (triple quotes)
 - d. /// (triple slash)

6. What was the name of first computer designed by Charles Babbage?

- a. Analytical Engine
 - b. Difference Engine
 - c. ENIAC
 - d. ENIGMA
7. What is the full form of SSD in context of computer memory?
- a. Single sided device
 - b. Solid State Drive
 - c. Solid Single Disk
 - d. State Solid Drive
8. A half byte is known as_____.
- a. HB
 - b. Hbyte
 - c. Nibble
 - d. Bit
9. Read the statements given below and identify the right option
Statement I: Impact printers works by creating a direct contact between ink ribbon and paper.
Statement II: Thermal printer is an example for Impact Printers
- a. Only Statement A is correct
 - b. Only Statement B is correct
 - c. Both Statement A and B are correct
 - d. Both Statement A and B are incorrect
10. A disk defragmentor is an example of
- a. Application software
 - b. Customized software
 - c. Utility software
 - d. None of the above
11. Choose the correct output
`print((2**2*2)//3)`
- a. 0
 - b. 1
 - c. 2
 - d. Error
12. Division by zero is an example of
- a. Syntax Error
 - b. Semantics Error
 - c. Run time error
 - d. Logical Error
13. Choose the correct output
`print([1,2,4,8] < [1,2,3,9])`
- a. False
 - b. True
 - c. None
 - d. Error

14. sorted() will sort _____ of the dictionary by default
- keys
 - values
 - keys – values
 - None of the above
15. In reverse indexing, last character of a string is denoted by
- 0
 - n
 - len
 - 1
16. Choose the correct output
- ```
a,b=10,11
c=str(b)+str(a)
print(c)
```
- 21
  - 1011
  - 1110
  - Error
17. The escape sequence \t is used for
- New line
  - Horizontal space
  - Vertical Space
  - Terminate String
18. Which among the following is an example for iteration statement in python
- if
  - if elif
  - for
  - pass
19. Which among the following creates an empty dictionary MyDc
- MyDc=[ ]
  - MyDc=Dict()
  - MyDc={ }
  - MyDc=dictionary()
20. Which among the following have highest access time
- Hard Disk
  - RAM
  - ROM
  - CPU Register
21. Choose the output of the following code
- ```
print(5>7 and 1<=3)
```
- True
 - False
 - Machine Dependent
 - Error

22. How many times the following loop will work
for i in "Python":
 print("+1")

- a. 1
- b. 5
- c. 6
- d. infinite

23. What will be the values generated by range(10,2,-2)

- a. 8,6,4,2
- b. 10,8,6,4
- c. 10,8,6,4,2
- d. 10,8,6,4,2,0,-2

24. What will be the output of following code
S="IP2021"
print(2*S[2::2])

- a. 2020
- b. 22
- c. 2222
- d. Error

25. What will be the output of following code
D={"aa":"bb","dd":"ee"}
print(len(D))

- a. 1
- b. 2
- c. 4
- d. 8

Section B

Consists of 24 Questions (26 to 49). Attempt any 20 questions.

26. Read the statements given below and identify the right option

Statement I: When you delete a file, the system does not actually destroy the data, it simply marks that space on the disk as "available."

Statement II: Therefore it's possible to recover the deleted data with the help of sophisticated tools

- e. Only Statement A is correct
- f. Only Statement B is correct
- g. Both Statement A and B are correct
- h. Both Statement A and B are incorrect

27. Tailor-made application software, that are developed to meet the requirements of a specific organisation or an individual is known as

- a. General purpose software
 - b. Application Software
 - c. Customized Software
 - d. None of the above
28. Full form of FLOSS is
- a. Free and open service software
 - b. Free libre and Open Source Software
 - c. Free liberal open ended system software
 - d. Free liberty of open software source
29. RAM belongs to _____
- a. External Memory
 - b. Auxiliary Memory
 - c. Primary Memory
 - d. None of the above
30. Which among the following is not an output device
- a. Plotter
 - b. 3D Printer
 - c. Light Pen
 - d. Projector
31. EEPROM stands for
- a. Electronic Erasable Programming Reading Only Memory
 - b. Erasable and Electronically Programmable Read Only Memory
 - c. Electronically Erasable Programmable Read Only Memory
 - d. Electronically Elusive Programmable Read Only Memory
32. Which among the following acts as an interface between the device and the operating system
- a. System Software
 - b. Utility Software
 - c. Device Driver
 - d. Compiler
33. Read the statements given below and identify the right option
Statement I: Transistors were used in First Generation of Computers
Statement II: EDVAC is an example for first generation computer
- a. Only Statement A is correct
 - b. Only Statement B is correct
 - c. Both Statement A and B are correct
 - d. Both Statement A and B are incorrect
34. Which among the following method can be used to avoid data deletion by unauthorized persons

- a. Using password for computer
 - b. Encrypting data
 - c. Limiting physical access to the device
 - d. All of the above
35. What will the output of the following code?
- ```
list1=[2,4,6]
list2=[1,3,5]
print(len(list1+list2))
```
- a. 2
  - b. 3
  - c. 6
  - d. Error
36. Which of the following will give output as [5,14,6] if lst=[1,5,9,14,2,6]?
- a. print(lst[0::2])
  - b. print(lst[1::2])
  - c. print(lst[1:5:2])
  - d. print(lst[0:6:2])
37. What will be the output of given python code
- ```
dict1={"x":3,"y":5,"z":7 }
dict2={"x":2,"yz":6}
dict1.update(dict2)
print(dict1)
```
- a. {"x":3,"y":5,"z":7 }
 - b. {"x":2,"y":6,"z":6 }
 - c. {"x":2,"y":5,"z":7,"yz":6 }
 - d. {"x":3,"y":5,"z":7,"yz":6 }
38. Which of the following will give error?
Suppose dict1={"a":1,"b":2,"c":3}
- a. print(dict["c"])
 - b. print(dict1.get("b"))
 - c. dict1["a"].update(5)
 - d. None of the above.
39. Which of the following isn't true about dictionary keys?
- a. Keys must be unique
 - b. Keys must be immutable
 - c. Keys must be integers
 - d. Keys must be associated with values
40. What will be the output of following python code
- ```
D={"a": "arun", "b": "Biswas", "c": "caty"}
print("arun" in D)
```
- a. True

- b. False
- c. None
- d. Error

41. Read the statements given below and identify the right option

Statement I: append() and extend() can be used to modify an existing list

Statement II: both of them can be used add multiple elements to a list

- a. Only Statement A is correct
- b. Only Statement B is correct
- c. Both Statement A and B are correct
- d. Both Statement A and B are incorrect

42. Which among the following will give output as 500 if dct={2:50,3:100,4:200,5:400,6:500}

- a. print(dct.values().max)
- b. print(max(dct.keys()))
- c. print(max(dct.values))
- d. print(max(dct.values()))

43. Which among the following will add a new key:value pair a:b to dictionary d

- a. d.add("a":"b")
- b. d["a"]=d["b"]
- c. d=["a":"b"]
- d. d["a"]="b"

44. What will be the output of following python code

```
num=10
if num%2==0:
 num+=10
else:
 num-=10
print(num)
```

- a. 0
- b. 10
- c. 20
- d. Error

45. What will be the output of following python code

```
num=13//4
sum=0
for value in range(num+1) :
 sum=sum+value
print(sum)
```

- a. 3
- b. 6
- c. 10
- d. Error

46. What will be the output of following python code

```
str="APSASC"
print(str[::-1])
```

- a. APSASC
- b. ASCAPS
- c. CSASPA
- d. CSAAPS

47. Read the statements given below and identify the right option

Statement I: interpreter and compiler are used for converting high level language into low level language

Statement II: compiler converts the code line by line

- a. Only Statement A is correct
- b. Only Statement B is correct
- c. Both Statement A and B are correct
- d. Both Statement A and B are incorrect

48. A \_\_\_\_\_ is a name that is associated with a value which refers to the memory location of that value.

- a. Identifier
- b. Keyword
- c. Variable
- d. Literal

49. Which among the following is immutable in python

- a. list
- b. string
- c. dictionary
- d. None of the above

### Section C

**Consists of 6 Questions (50 to 55). Attempt any 5 questions.**

#### Case Study

Vinod created the following python list to store his marks scored in UT1. Now he is having confusions in performing some operations on the data frame. Help him to perform those by choosing right commands:

Code:

```
#marks scored in UT1
```

```
Marks=[35,30,39,29,35]
```

50. Which among the following statement can be used to remove last value



- a. Marks.remove(4)
- b. Marks.pop(5)
- c. Marks.pop()
- d. Marks.del(4)

51. What will be the output of print(Marks\*2)

- a. [70,60,78,58,70]
- b. [3535,3030,3939,2929,3535]
- c. [35,30,39,29,35,35,30,39,29,35]
- d. Error

52. Which among the following statements can be used to insert 25 as 4<sup>th</sup> value in the list

- a. Marks[3]=25
- b. Marks[4]=25
- c. Marks.insert(3,25)
- d. Marks.insert(25,3)

53. What will be the output of print(Marks.index(35))

- a. 0
- b. 1
- c. 0, 4
- d. 4

54. Which among the following statement will give [39,35,35,30,29] as output

- a. Marks.reverse()
- b. Marks.sort()
- c. Marks.sort(reverse=True)
- d. Marks.sort(ascending=False)

55. What will be the output of following code:

```
Marks.append(33,37)
print(Marks)
```

- a. [35,30,39,29,35,33]
- b. [35,30,39,29,35,33,37]
- c. [35,30,39,29,35,37]
- d. Error

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