

**Sample Question Paper**  
**Term – I**  
**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.
- All questions carry equal marks.

**Section – A**

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

1. Which two operators can be used on numeric values in Python?

- A. @
  - B. %
  - C. +
  - D. #
- a. B, D
  - b. B, C
  - c. A, C
  - d. A, D

2. Which line of code produces an error?

- a. '1' + 2
- b. "one" + "2"
- c. "one" + 'two'
- d. 1 + 2

3. Identify the valid declaration of L:

L = ['Mon', '23', 'hello', '60.5']

- a. list
- b. string
- c. tuple
- d. dictionary

4. What is the value of this expression, 3\*\*1\*\*3?

- a. 9
- b. 27
- c. 1
- d. 3

5. 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'}

6. The keys of a dictionary must be of types.

- a. mutable
- b. immutable
- c. integer
- d. all of these

7. What data type is the object below? L= [1, 23, 'hello', 1]

- a. dictionary
- b. array
- c. tuple
- d. list

8. Which of the following cannot be a variable?

- a. \_on
- b. \_it
- c. in
- d. \_init\_

9. Which one of these is floor division operator?

- a. //
- b. /
- c. %
- d. none of these

10. Which of the following is valid arithmetic operator in Python?

- a. <
- b. //
- c. and
- d. ?

11. The operator tells if an element is present in a sequence or not.

- a. inside
- b. exists
- c. in
- d. into

12. What is the output of following code?

```
def f():  
    x = (2856 / 156) % 89  
    print(x++)  
    x* = 34  
    f()
```

- a. 19
- b. 18
- c. 646
- d. Error

13. The numbered position of a letter in a string is called .....

- a. position
- b. location
- c. index
- d. integer position

14. You have the following code segment:

```
print ("Here we have a line of text \n and \n we can do \n newlines!")
```

What is the output of this code?

- a. Here we have a line of text and we can do newlines!
- b. Here we have a line of text and we can do newlines!
- c. Here we have a line of text and we can do newlines!
- d. Here we have a line of text and we can do newlines!

15. What does `random.randint(5, 7)` returns in python?

- a. Any floating number between 5 and 7 inclusive
- b. Any floating number between 5 and 7 excluding 7
- c. Either 5 or 6 or 7
- d. Any floating number between 5 and 7 excluding.

16. In Python we do not specify types, it is directly interpreted by the compiler, so consider the following operation to be performed.

```
>>> x = 33 <operator> 4
```

What would you fill in place of `<operator>` in the above expression so that `x` has an integer value? Select all that apply (Python 3.xx)

- A. `//`
  - B. `/`
  - C. `%`
  - D. All of these
- a. A, D
  - b. B, C
  - c. B, D
  - d. A, C

17. What is the output of the following expression? `float(5 + int(4.39 + 2.1)%2)`

- a. 8
- b. 8.0
- c. 5
- d. 5.0

18. You have the following code segment:

```
String1 = "my"
```

```
String2 = "work" print(String1, String2)
```

What is the output of this code?

- a. mywork
- b. work
- c. my
- d. my work

19. What is the output of the following expression? `print(4.00/(2.0 + 2.0))`

- a. 1
- b. 1.0
- c. 1.00
- d. Error

20. What will be the output produced by following code?

```
>>> grade1 = 80
```

```
>>> grade2 = 90
```

```
>>> average1 = (grade1 + grade2)/2
```

```
>>> average2 = grade1 + grade2/2
```

```
>>> average1, average2
```

- a. 85.0, 85.0
- b. (125.0, 125.0)
- c. 125.0, 85.0
- d. 85.0, 125.0

21. Which line of code has the correct syntax for the print statement?

- a. `print(Its' a rainy day)`
- b. `print('it's a rainy day')`
- c. `print('it's\ a rainy day")`
- d. `print('it\'s a rainy day')`

22. Which among the following list of operators has the highest precedence?

`+, -, **, %, /, <<, >>, |`

- a. `|`
- b. `<<, >>`
- c. `%`
- d. `**`

23. What data type is the object below?

`L = 1, 23, 'hello', 1`

- a. list
- b. dictionary
- c. tuple
- d. array

24. How would you write `xy` in Python as an expression?

- a. `x^y`
- b. `x**y`
- c. `x^^y`
- d. none of these

25. Which of the following expressions is an example of type casting?

- A. `4.0 + float(6)`
- B. `5.3 + 6.3`
- C. `5.0 + 3`
- D. `int(3.1) + 7`

- a. B, C
- b. A, D
- c. A, D
- d. A, C

## Section – B

**Section B consists of 24 Questions (26 to 49). Attempt any 20 questions.**

26. Which of these is not a core data type?
- Tuples
  - Lists
  - Class
  - Dictionary
27. The expression  $8/4/2$  will evaluate equivalent to which of the following expressions:
- $(8/2)/4$
  - $8/(4/2)$
  - $(2/4)/8$
  - $(8/4)/2$
28. What is the value of x?  $x = \text{int}(13.25 + 4/2)$
- 14
  - 15
  - 17
  - 23
29. What is the output of this code?
- ```
>>> int ("3" + "4")
```
- "7"
  - 24
  - "34"
  - 34
30. `>>> float('inf') - float('inf')`
- inf
  - error
  - 0.0
  - nan
31. What is the value of this expression:  $22\% 3.0$  is?
- 7
  - 7.0
  - 1.0
  - 1
32. Which of the following expressions results in an error?
- `int('12')`
  - `float('12.5')`
  - `int('12.5')`
  - `float('12')`

33. Suppose `s` is assigned as follows : `s = 'foobar'`

All of the following expressions produce the same result except one. Which one?

- a. `s[: -5]`
- b. `s[0] + s[-1]`
- c. `s[: -1][-1] + s[len(s)-1]`
- d. `s[: -1][: -5]`

34. List `AL` is defined as follows: `AL= [1, 2, 3, 4, 5]`

Which of the following statements removes the middle element 3 from it so that the list `AL` equals `[1, 2, 4, 5]`?

- A. `del a[2]`
  - B. `a[2:3] = [ ]`
  - C. `a[2:2] = [ ]`
  - D. `a[2] = [ ]`
  - E. `a.remove(3)`
- a. B, D, E
  - b. A, C, D
  - c. C, D, E
  - d. A, B, E

35. Which of the following statements will print the following?

`hello-how-are-you`

- A. `print('hello', 'how', 'are', 'you')`
  - B. `print('hello', 'how', 'are', 'you' + '-' * 4)`
  - C. `print('hello-' + 'how-are-you')`
  - D. `print ('hello' + '-' + 'how' + '-' + 'are' + '-' + 'you')`
- a. B, C
  - b. A, D
  - c. A, C
  - d. C, D

36. Which operator is used to check whether two variables are the same?

- a. =
- b. -
- c. |
- d. ==

37. What is the output of `sys.platform[:2]` if the code runs on windows operating system?

- a. 'wi'
- b. Error
- c. 'op'
- d. 'sy'

38. What will be the output of the following expression? `24//6%3, 24//4//2, 48//3//4`

- a. (0, 3, 4)
- b. (1, 3, #error)
- c. (1, 12, #error)
- d. (1, 3, 4)

39. What is the output of this expression, `3*1**3`?

- a. 1
- b. 27
- c. 9
- d. 3

40. What is the correct order of precedence in python? [1]

- a. MEPDAS
- b. PEMDAS
- c. SADMEP
- d. EPMDAS

41. What is the output of following code?

```
bool('False')
```

```
bool()
```

- a. False True
- b. True False
- c. True True
- d. Runtime Error

42. Which line of code will cause an error?

1. num = [5, 4, 3, [2], 1]

2. print(num[0])

3. print(num[3][0])

4. print(num[5])

a. Line 1

b. Line 2

c. Line 4

d. Line 3

43. Which value type does input() return?

a. Int

b. String

c. Boolean

d. Float

44. What will be the output of the following code? tuple\_a = 'a', 'b'

```
tuple_b = ('a', 'b')
```

```
print (tuple_a == tuple_b)
```

a. False

b. True

c. 0

d. 1

45. What is the value of this expression, 3\*3\*\*1?

a. 3

b. 9

c. 1

d. 27

46. The following set of commands is executed in shell, what will be the output?

```
>>>str = "hello"
```

```
>>>str[:2]
```

```
>>>
```

- a. hello
- b. lo
- c. olleh
- d. he

47. Which of the following is not a keyword?

- a. assert
- b. nonlocal
- c. pass
- d. eval

48. You have the following code segment:

```
String1 = "my"
```

```
String2 = "work"
```

```
print(String1 + String2.upper())
```

What is the output of this code?

- a. My Work
- b. mywork
- c. myWORK
- d. MY Work

49. Which of the following is an invalid variable?

- a. my\_day\_2
- b. 2nd\_day
- c. \_2
- d. Day\_two

### Section - C

**Section C, consists of 6 Question (50 to 55). Attempt any 5 questions.**

50. Data entered through input device is temporarily stored in \_\_\_\_\_
- RAM
  - ROM
  - Hard disk
  - All of the above
51. Which of the following is a type of printer?
- ink jet
  - laser jet
  - Dot Matrix
  - All of the above
52. Which of the following is latest in printer?
- inkjet printer
  - laserjet printer
  - DotMatrix Printer
  - 3D Printer
53. Which of the following is used to make replica of objects?
- Inkjet Printer
  - Laserjet Printer
  - 3D Printer
  - None of the above
54. Which of the following output device create the hardcopy of document?
- Printer
  - Monitor
  - Speaker
  - All of the above
55. A punched card is a piece of stiff paper that stores digital data in the form of \_\_\_\_\_
- Box
  - Holes
  - Dots
  - None of the above