

O. P. JINDAL SCHOOL, SAVITRI NAGAR
Half Yearly Examination (2023 – 2024)

Class: XI
Subject: Informatics Practices (065)

MM: 70
Time: 3 Hrs.

(Fifteen Minutes Extra will be given for reading the Question Paper.)

General Instructions:

- This question Paper contains two Parts A and B.
- Part – A (Section – I) Multiple Choice Questions, consists of 10 questions. Each question carries 01 mark.
- Part – A (Section – II) Very Short Answer Type Questions, consists of 10 questions. Each question carries 01 mark.
- Part – B (Section – I) Short Answer Type Questions, consists of 10 questions. Each question carries 02 marks.
- Part – B (Section – II) Long Answer Type Questions, consists of 05 questions. Each question carries 03 marks.
- Part – B (Section – III) Very Long Answer Type Questions, consists of 04 questions. Each question carries 05 marks.

PART – A

SECTION – I (Multiple Choice Questions)

- Q1. Which of the following are keyword(s) ?
a) name b) Print c) print d) input
- Q2. Which of the following functions print the output to the console?
a) Output() b) Print() c) Echo() d) print()
- Q3. The input () returns the value as _____ type
a) integer b) string c) floating point d) none of these
- Q4. The default separator character of print () is _____.
a) tab b) space c) newline d) dot
- Q5. Python operator always yields the result of _____ data type.
a) integer b) floating point c) complex d) all of these
- Q6. Which component of a computer connects the processor to the other hardware?
a) system Bus b) CPU c) memory d) input unit
- Q7. The physical components of a computer system are called _____.
a) software b) hardware c) CPU d) ALU
- Q8. Operating system is an example of
a) application software b) system software
c) utility program d) none of these

Q9. Which of the following is available without any payment?
a) freeware b) free software c) OSS d) FLOSS

Q10. Flash memory is a type of _____ memory.
a) primary b) RAM c) secondary d) all of these

PART – A

SECTION – II (Very Short Answer Type Questions)

Q11. Write a program to input a welcome message and print it.

Q12. Predict the output of following:

```
x , y = 7 , 2
```

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

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

Q13. What is data capturing?

Q14. What is an expression?

Q15. What is data retrieval?

Q16. What do you mean by Syntax errors and Semantics errors?

Q17. What is application software?

Q18. Why are logical errors harder to locate?

Q19. What is the need of secondary memory?

Q20. What is cache memory?

PART – B

SECTION – I (Short Answer Type Questions)

Q21. Which data types of Python handle numbers?

Q22. What do you understand by term 'immutable'?

Q23. Write a program to calculate the perimeter of a triangle.

Q24. Why is Boolean considered a subtype of integers?

Q25. What will be the output of the following code?

```
5 < 5 or 10
```

```
5 < 10 or 5
```

```
5 < (10 or 5)
```

```
5 < (5 or 10)
```

Q26. What is the purpose of range () function? Give one example.

Q27. Write a program to obtain three numbers and print their sum.

Q28. Describe the terms free software and open source software.

Q29. How many types of strings are supported in Python?

Q30. What is the difference between the interpreter and compiler?

PART – B

SECTION – II (Long Answer Type Questions)

Q31. What is a statement? What is the significance of an empty statement?

Q32. What are data types? What are Python's built-in core data types?

Q33. What are various categories of software?

Q34. What will be the output of the following code? Why?

(i) 13 or len(13) (ii) len(13) or 13

Q35. What is the need of RAM? How does it differ from ROM?

PART – B

SECTION – III (Very Long Answer Type Questions) (Any Three)

Q36. What are various types of statement in Python? Justify your answer with example.

Q37. Write a program to obtain length and breadth of a rectangle and calculate its area.

Q38. What is the difference between a keyword and an identifier?

Q39. What are literals in Python? How many types of literals are allowed in Python?