

**O. P. JINDAL SCHOOL, SAVITRI NAGAR****Periodic Test – III (Round-I) (2025 – 2026)****Class: XII****MM: 20****Subject: Informatics Practices (065)****Time: 1 Hr.****General Instructions:**

- (Section – I) Multiple Choice Questions, consists of 05 questions. Each question carries 01 mark.
- (Section – II) Short Answer Type Questions, consists of 04 questions. Each question carries 02 marks. Attempt any 03 questions.
- (Section – III) Long Answer Type Questions, consists of 04 questions. Each question carries 03 marks. Attempt any 03 questions.

**SECTION – I (Multiple Choice Questions)**

Q1. Which of the following is not a valid chart type?

- a) histogram      b) statistical      c) pie      d) box

Q2. Which of the following is not a valid plotting function of pyplot?

- a) Plot( )      b) bar( )      c) line( )      d) pie( )

Q3. Which of the following plotting functions does not plot multiple data series?

- a) Plot( )      b) bar( )      c) pie( )      d) barh( )

Q4. Which of the following is not an immutable type in Python?

- a) Strings      b) Tuples      c) Set      d) Dictionary

Q5. Python operator always yields the result of \_\_\_\_\_ data type.

- a) Integer      b) Floating point      c) Complex      d) All of these

**SECTION – II (Short Answer Type Questions)**

Q6. Name major components of a chart.

Q7. Name some commonly used chart types.

Q8. Name the functions you will use to create a Bar Chart.

Q9. What is matplotlib.pyplot?

**SECTION – III (Long Answer Type Questions)**

Q10. What is data visualization? What is its significance?

Q11. What is Python's support for Data Visualization?

Q12. What is pyplot? Is it a Python Library?

Q13. Draw the following Bar Graph representing the number of students in each class.