

BUDHA DAL PUBLIC SCHOOL, PATIALA

Subject – Informatics Practices (11 March 2026)

Final Examination Class –XI (Session 2025-26)

Maximum Marks: 70

Time Allowed: 3 hours

General Instructions:

- All questions are compulsory.
- The examination paper contains five sections, from Section A to Section E.
- Section A consists of 21 questions (1 to 21). Each question carries 1 Mark.
- Section B consists of 7 questions (22 to 28). Each question carries 2 Marks.
- Section C consists of 4 questions (29 to 32). Each question carries 3 Marks.
- Section D consists of 2 questions (33 to 34). Each question carries 4 Marks.
- Section E consists of 3 questions (35 to 37). Each question carries 5 Marks.

Section A (21 x 1=21 Marks)

1. Python is a _____ independent Language 1
2. _____ mode does not save the commands entered by you in the form of a program. 1
3. Compiler comes under _____. 1
4. DBMS stands for _____. 1
5. Python language is _____. 1
(a) Free (b) Open Source
(c) Free & Open Source (d) Proprietary
6. The extension for a python file is given as: 1
(a) .pt (b) .pwy (c) .py or .py (d) .yppy
7. What is the full form of RAM? 1
(a) Read access memory (b) Random Access
(c) Raw access memory (d) Right Access memory
8. The input() function always returns a value of _____ type. 1
9. A _____ literal is sequence of characters surrounded by quotes 1
10. _____ loop is the best when the number of iterations is known. 1
11. _____ line begins with a keyword and ends with a colon. 1
12. Python takes _____ indented spaces after the function declaration statement by default. 1
(a) 5 (b) 6 (c) 4 (d) 3
13. A graphical representation of an algorithm to solve a given problem: 1
(a) Flow Chart (b) Pie Chart (c) Bar Chart (d) Column chat
14. If statement comes in which category of statements? 1
(a) Sequential statements (b) Conditional statements
(c) iterative statements (d) Loop statement



15. List in Python is classified as a _____ data type.

1

16. The _____ operator replicates a list.

1

17. Like lists, Dictionaries are _____ which means they can be changed.

1

18. _____ technology is able to take an existing environment and add a layer of virtual information on top of it.

1

19. Which operator can be used with list?

- (a) in (b) not in
(c) both (i) and (ii) (d) Arithmetic Operators only

1

Q-20 and Q-21 are Assertion (A) and Reason (R) Type questions. Choose the correct option as:

(A) Both Assertion (A) and Reason (R) are true, and Reason (R) is the correct explanation of Assertion (A)

(B) Both Assertion (A) and Reason (R) are true, and Reason (R) is not the correct explanation of Assertion (A)

(C) Both Assertion (A) is True, but Reason (R) is False

(D) Both Assertion (A) is False, but Reason (R) is True

20. Assertion (A) To print the value of a variable, python uses print() method.

1

Reasoning (R) print () method display the content on the system screen or console.

1

21 Assertion (A) Each table must have one primary key.

Reasoning (R) Primary key is a set of one or more attributes that uniquely identifies a tuple in a relation.

Section – B (7 x 2=14 Marks)

22. Python is a cross-platform language .How?

2

23. Expand the following:- (i) ALU (ii) RAM

2

24. What is difference between interactive mode and script mode in Python?

2

25. How many types of strings are supported in Python? Explain them.

2

26. What is a dictionary?

2

27. Define Knowledge base.

2

28. Define the term Robotics.

2

Section – C (4 x 3 =12 Marks)

29. Why is computer beneficial to us?

3

30. Write any two differences between Primary memory and Secondary Memory.

3

31. Distinguish between Java and Python.

3

32. Difference between DROP and Delete command.

3



Section – D (2 x 4=8 Marks)

33. Consider the Table "Student " and Write the SQL commands of the following questions:

Roll_no	Student_Name	Class	Marks
1.	Avneet	11	50
2.	Sumit	11	52
3.	Tarun	11	67

(i) Write a sql command to create database named "School".

(ii) Write sql command to create the above structure of student table .

(iii) Write a sql to command to insert a new row with following data.

(Roll no - 4, Name- Varun , Class- 11, Marks- 62)

(iv) Update the marks of sumit . (Updated Marks=60)

34. Explain the following terms:-

(i)Primary Key (ii) Candidate Key (iii) Alternate Key (iv) Foreign Key

Section – E (3 x 5=15 Marks)

35. Differentiate between Cloud Computing and Grid Computing.

36. Write a python program to find the area of rectangle.

37. Write a program to calculate the Simple Interest.