

BUDHA DAL PUBLIC SCHOOL, PATIALA

TERM-I EXAMINATION (SESSION 2024-25) SET:- B

CLASS: - XI, SUBJECT: - INFORMATICS PRACTICES (CODE:- 065)

Time: 3 Hours

Max. Marks: 70

General Instructions:

1. This question paper contains five sections, Section A to E.
2. All questions are compulsory.
3. Section A has 18 questions carrying 01 mark each.
4. Section B has 07 Very Short Answer type questions carrying 02 marks each.
5. Section C has 05 Short Answer type questions carrying 03 marks each.
6. Section D has 02 questions carrying 04 marks each.
7. Section E has 03 questions carrying 05 marks each.
8. All programming questions are to be answered using Python Language only.

SECTION-A		
Fill in the Blanks:-		
1.	A collection of 8 bits is called a _____.	1
2.	Python is a/an _____ independent language.	1
3.	A _____ is a reserved named location that stores values.	1
State Whether the following statements are True or False:-		
4.	Registers are high-speed temporary storage areas found in the CPU.	1
5.	Python Editor refers to Script mode in Python.	1
6.	Null literal in Python means “there’s nothing here.”	1
Multiple Choice Questions(MCQs):-		
7.	Which of the following makes available its source code? (i) Freeware (ii) Free Software (iii) OSS (iv) FLOSS	1
8.	1 TB is equivalent to: (i) 2^{10} bytes (ii) 2^{10} MB (iii) 2^{10} GB (iv) 2^{10} KB	1
9.	Data Capturing refers to: (i) Collecting data from different sources in printed form (ii) Commenting on Social media (iii) Sharing and collaboration data online (iv) Collecting data from different sources in digital form	1
10.	Single line comments in python begin with _____ symbol. (i) % (ii) “ (iii) “” (iv) #	1
11.	Which of the following is a syntactically correct string? (i) “This is great!” (ii) ‘she shouted ‘HELLO’ loudly’ (iii) “Goodbye” (iv) “This “course” is good”	1
12.	What can be maximum possible length of an identifier? (i) 31 (ii) 63 (iii) 79 (iv) Can be of any length	1
13.	Which of the following is a valid keyword? (i) IF (ii) If (iii) if (iv) None of these	1
14.	Find the output of the following code: Number=[1,5,7,0,4] Print(number[2,:3]) (i) [5] (ii) [7] (iii) [7,0] (iv) None of these	1
15.	Which function is used to remove all items from a particular dictionary?	1

	(i) Clear () (ii) pop () (iii) delete() (iv) rem()	
16.	Keys of dictionary must be: (i) Similar (ii) Unique (iii) Both (i) and (ii) (iv) All of these	1
	Q17 and 18 are ASSERTION AND REASONING based questions. Mark the correct choice as a) Both A and R are true and R is the correct explanation for A b) Both A and R are true and R is not the correct explanation for A c) A is True but R is False. d) A is False but R is True.	1
17.	Assertion (A): Python is the fastest language. Reasoning(R): Python is an interpreted language.	
18.	Assertion (A): Each component of a programming statement is known as a token. Reasoning(R): Token is not executed by python interpreted; only used in the program coding.	1
	SECTION-B	
19.	What is booting?	2
20.	Why are secondary storage devices required?	2
21.	Expand the following : (i) ALU (ii) GUI	2
22.	Python is a free and open-source language. What do you understand by this feature?	2
23.	Neha is confused between 3*2 and 3**2. Help her know the difference between the two expressions.	2
24.	Define flow charts.	2
25.	What is the difference between pop() and remove() functions ?	2
	SECTION-C	
26.	State any three differences between RAM and ROM.	3
27.	Why is computer beneficial to us? Write any three features of Computer	3
28.	What is the difference between Data and Information?	3
29.	What are the advantage and disadvantage of working in Interactive mode in python?	3
30.	What is the difference between a keyword and a variable.	3
	SECTION-D	
31.	Explain any four distinguishable features of Python.	4
32.	Find the output generated by the following code: (i) a = 5 b = 10 a += a + b b * = a + b print (a , b) (ii) p = 10 q = 20 p * = q // 3 q+ = p + q**2 print (p, q)	2+2
	SECTION-E	
33.	Write a program to find the Maximum of Two Numbers.	5
34.	Write a program to Calculate the Simple Interest.(Amount =1000, Rate=5 %, Time=2 years)	5
35.	Write a program to find the Area of a Rectangle	5