D.A.V. PUBLIC SCHOOL, NEW PANVEL

SAMPLE PAPER FOREXAMINATION 2025-2026
STD: - XI

Sub: - Informatics Practices (065)   **Time: - 2 Hours**
Date: -   **Max. Marks: -50**

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General Instructions:

1. This question paper contains five sections, Section A to E.
2. All questions are compulsory.
3. Section A have16 questions carrying 01 mark each.
4. Section B has 06 Very Short Answer type questions carrying 02 marks each.
5. Section C has 03 Short Answer type questions carrying 03 marks each.
6. Section D has 01 Long Answer type questions carrying 05 marks each.
7. Section E has 02 questions carrying 04 marks each.
8. All programming questions are to be answered using Python Language only.

Q. No.	Section-A	
1.	Which one of the following is the correct extension of the Python file? (A) .p (B).python (C).pxy (D) .py	1
2.	Arrange in ascending order of size: (A) MB, KB, Byte, Nibble (B) Nibble, KB, MB, GB (C) Bit, KB, Nibble, MB (D) Bit, GB, KB, MB	1
3.	Which device is used for input in a computer? (A) Monitor (B) Printer (C) Keyboard (D) Speaker	1
4.	Bytes are equivalent to (A) eight (B) sixteen (C) two (D) one	1
5.	Name any two immutable data objects of Python.	1
6.	Given the lists Lst=["P","Y","T","H","O","N"] , write the output of: print(Lst[2:4])	1
7.	Uma was working on application where he wanted to divide the two number (A and B) he has written the expression as C = A/B, on execution he entered 20 and 3 and expected answer was 6 i.e. only integer part not in decimal, but the answer was 6.66 approx, help Uma to correct his expression and achieving the desired output. **Correct Expression :** __	1
8.	_____ is volatile and _____ is non-volatile.	1
9.	_____ are small units of data holding places.	1
10.	Name the Python Library modules which need to be imported to invoke the following functions: (i) ceil() (ii) randrange()	1
11.	The order of execution of the statements in a program is known as _____	1
12.	The __ statement is used for selection or decision making.	1
13.	A loop inside another loop is called a _____loop.	1

14.	The below given expression will evaluate to 22//5+2**2**3%5. (a)5 (b) 10 (c) 15 (d) 20	1

	Q15 and 16 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	

15.	Assertion (A):- Python allows function arguments to have default values; if the function is called without the argument, the argument gets its default value. Reasoning (R):- During a function call, the argument list first contains default argument(s) followed by positional argument(s).	1
16.	Assertion (A): A part of main memory is non-violate too Reason (R): ROM is a read only memory wth some pre-written instructions, which are retained after power is off.	1
	Section-B	
17.	**Identify the type of literals for each:** (i) 123 (ii)"Hello" (iii) ("Bye\nSee You" (iv)"A" (v)345.55 (vi)10+4j (vii)0x12	2
18.	Write a program to enter temperature in Fahrenheit and convert it in Celsius **OR** Name the different types of Operating Systems -user interface.	2
19.	Discuss the role of utility software in the context of computer performance?	2
20.	What is the difference between an RAM and a ROM?	2
21.	(A) Explain the following: (i)token (ii) data (B) What is the use of variable?	2

22.	**Rewrite the following code in python after removing all syntax error(s). Underline each correction done in the code.**
	     30=To
	     for K in range(0,To) IF
	       k%4==0:
	          print
	     (K*4) Else:
	 print (K+3)
		2

	Section-C	
23.	WAP find the compound interest, also draw a flow chart and algorithm for given. OR WAP to display 10 numbers using for loop.	3
24.	Draw an algorithm and flow chart of simple interest and compound interest.	3
25.	WAP to generate days of week.	3
	SECTION –D	

26.	What will be the difference in output
	 (i)
	 for i in range(1,10):
	    if i % 4 == 0:
	       break
	    print(i)
		2+3

(ii)
```
for i in range(1,10):
 if i % 4 == 0:
     continue
 print(i)
```
(B) Rewrite the following Python program after removing all the syntactical errors (if any), underlining each correction:
```
x = input("Enter a number")
if x % 2 =0:
   print (x, "is even")
elseif x<0:
    print (x, should be positive)
else;
 print (x, "is odd")
```
ans.
```
x = int(input("Enter a number: "))
 if x % 2 == 0:
     print(x, "is even")
 elif x < 0:
     print(x, "should be positive")
 else:
     print(x, "is odd")
```

	SECTION E	
27.	Draw a flow chart ,algorithm and program of area of triangle.	4
28.	Shikha has created her facebook account which asked to her enter her basic details. She has not used any advanced privacy setting . She updates her profileevery now and then. Shikha plans a trip to Himachal Pradesh and uploads her geo located pictures ofthe trip.According to her situation answer the following questions. (i) Since Shikha has entered her email id in her details , she now receives emails from companies directing her to fill some forms asking for personal details. What is this attack known as? (ii) Shikha is involved with some friends in teasing a class mate. They pass nasty comments on their class mate? Which type of cybercrime is this? (iii)By Sharing her geolocated pictures is Shikha leaving a digital foot print? If yes what is the type of digital footprint left by her. (iv) What are netiquettes? Explain some netiquettes that must be followed by Shikha on Social media?	4