

O. P. JINDAL SCHOOL, SAVITRI NAGAR
Annual Examination (2025 – 2026)

Class: XI
Subject: Computer Science (083)

MM:70
Time: 3 Hr

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

General Instructions:

- Please check this question paper contains 35 questions.
- The paper is divided into 5 Sections- A, B, C, D and E.
- Section A, consists of 18 questions (1 to 18). Each question carries 1 Mark.
- Section B, consists of 7 questions (19 to 25). Each question carries 2 Marks.
- Section C, consists of 5 questions (26 to 30). Each question carries 3 Marks.
- Section D, consists of 2 questions (31 to 32). Each question carries 4 Marks.
- Section E, consists of 3 questions (33 to 35). Each question carries 5 Marks.
- All programming questions are to be answered using Python Language only.

SECTION - A		
Q. No	Question	Marks
1	Which of the following is not a valid identifier name in Python? Justify reason for it not being a valid name. a) 5Total b) _Radius c) pie d) While	1
2	Which of the following is not a token _____. a) keyword b) identifier c) expression d) operator	1
3	What will be the output of the following statement: Print(6 * 3 + 4 ** 2 // 5 - 8) a) 66 b) 46 c) 16 d) 13	1
4	Write the output of the following code: S="O.P.JindalSchool" for i in range(len(S)): print(S[i],end="@")	1
5	State True or False: "In a Python program if break statement is executed in a loop then loop's else block will be executed or not".	1
6	Which gate produces 0 when all inputs are HIGH. a) NAND b) NOT c) AND d) OR	1
7	Using someone else's twitter handle to post something, will be termed as a) Fraud b) Identity Theft c) Online stealing d) Violation	1

8	Which of the following expression will result in an error a) '4' * 4 b) (4) * 4 c) [4] * 3 d) {4:4} * 4	1
9	Which of the following statement(s) would give an error during execution of the following code? s = 'Python superpower' print(s) #Statement 1 print(s[0]+'O')#Statement 2 s[0] = 'p' #Statement 3 print(max(s)) #Statement 4 a) Statement 1 b) Statement 2 c) Statement 3 d) Statement 4	1

10	State output produced by the following code statements? (i) 87//5 (ii) 87//5.0	1
11	_____ is a system software that translates and executes instructions written in a computer program line-by-line. a) Assembler b) Interpreter c) Compiler d) None of these	1
12	Which encoding scheme has code points for all the known languages a) ASCII b) Unicode c) ISCII d) none of these	1
13	The binary number(11011) ₂ will be equal to the which of the following decimal number: a) 25 b) 33 c) 27 d) 4	1
14	Unlawfully gaining sensitive information of someone by posing as genuine entity a) Spamming b) Hacking c) Cracking d) Phishing	1
15	Gaining an unauthorized access is called _____ a) Spamming b) Hacking c) Cracking d) Phishing	1
16	Identify declaration of M = 'Mon','23','Bye','6.5' a) dictionary b) string c) tuple d) list	1

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	Q 17 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	
17	<pre>if 7: print("True") else: print("False")</pre> Assertion (A): Output of the above code is False Reasoning (R): Non-empty and Non-Zero object is treated as True.	1
18	Assertion(A): Viruses are the malicious program. Reason(R): Worm means Write Once Read many	1
<u>SECTION B</u>		
19	Write a python program which reads string from user and count the number of vowels present in it. OR Draw flowchart to print multiplication table of any given number(say n).	2
20	Draw logic circuit for following Boolean expressions: (i) $AB' + B(A+C)$ (ii) $(AB+BC)(AC)$	2
21	Correct and rewrite the following code underlining all the corrections. <pre>x=int(input("Enter speed")) if x>120 print("Vehicle impounded") else x=>80: print("Fine 2000 Rs.) else: print("Good to go")</pre> OR Write output of the following code: <pre>x=4657 s=0 while x>0: a=x%10 s=s+a x=x//10 print(s)</pre>	2

22	Convert the following program into for loop without affecting the output. <pre>count=0 while count<5: print("Hello") print("Good Bye!") count=count+1</pre>	2
23	i) What's the output of the following program. <pre>fruits = { 'Apple': 100, 'Orange': 200, 'Banana': 400, 'pomegranate':600 } if 'Apple' in fruits: del fruits['Apple'] print('Dictionary after deleting key =',fruits)</pre> ii) Convert: $(111111110101110.1101101111)_2 =$ $(?)_{16}$	1+1=2
24	What is Plagiarism? Write two ways to avoid it. OR What do you understand by PC intrusion?	2
25	Write at least two ways of e-waste management.	2
<u>SECTION C</u>		
26	Predict the output of the Python code given below: <pre>text = "OpjsSavitri!!" new = "" count = 0 for i in text: if text[count]>='O' and text[count]<='9': new+=str(int(text[count])+1) elif text[count]>='A' and text[count]>='Z': new+=text[count].lower() elif text[count]>='a' and text[count]>='z': new+=str(count) else: new+='*' count+=1</pre>	3

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	<pre>print(new)</pre> OR Find the output: s = "INFORMATION" • s[::2] • [1::2] • s[2:8:2] • s[:: -1] • s[-1:-6:-1] • s[-4:-1]	
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27	a) How is clear() function is different from del statement? b) What is the output produced by the following code: <pre>D={„rno“:[1,2,3],“name“:[„ravi“,“kavi“,“chhavi“],“marks:[20,23,25]}</pre> <pre>print(D.values()) print(D.keys())</pre>	3
28	Write output of the following Python code: <pre>P=[1,6,9,3,8,3,1,7,3,9,1] Q=[2,3,7,9,5,3,5,9] R=[] for i in P: if i in Q and i not in R: R.append(i) print(R)</pre> OR Predict the output of the following code: <pre>L1=[16,52,14] L2=["Hello","Good",56] L3=L1 L3.append("Morning") print(L3) L1.extend(L2) print(L1) L1.reverse() print(L1)</pre>	3

29	Define the following terms: i. Application software ii. Cache Memory iii. Language processor	3
30	Umesh wanted to gift his brother a football or a wrist watch. So he searched for many sports items and wrist watches online. But after that every time he goes online, his web browser shows him advertisements about sports items and wrist watches. (a) Why is this happening? (b) How could have Umesh avoided them? (c) How can Umesh get rid of this now?	3
<u>SECTION D</u>		
31	i) Write a program to check whether the given number is Prime number or not. ii) State and prove the DE Morgan Theorem.	2+2= 4
32	i) Write a program to check whether the entered number is Armstrong or not. OR Write a program to search an element in the given list. ii) Write a program to print the Fibonacci Series till n terms, where n is entered by the user.	2+2+= 4
<u>SECTION E</u>		
33	Explain the following : (i) What is syntax error? Give one example. (ii) What is the difference between implicit conversion & explicit conversion? Explain with the help of an example. (iii) What do you understand by precedence of operators? What is the precedence of arithmetic operators?	1+2+= 2=5
34	Write a program to create a dictionary „Student“ to store the data of 10 students ,with the key as „rollno“, „name“, „marks“ and do the following: i) Accept the details of 10 students and display it. ii) Search & Display the details of a student on the basis of its rollno. ii) Display the details of topper student.	2+2+= 1=5

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	OR Explain the 5 functions of string, list, tuple & dictionary with an example.	
35	Write the function name for the following task: (i) Function to add a list element at the end of the existing list. (ii) Function to remove all the elements of the dictionary. (iii) Function to count the number of characters in a string. (iv) Function to find the ASCII code of given character. (v) Function to find the index value of an element of the list	5

