

Udaya Public School, Ayodhya
Session Ending Examination 2020-21
Class XI Subject: Informatics Practices (Code 065)

Max Marks : 70

Time : 3 Hours

Instructions :

- (i) All questions are compulsory.
- (ii) Marks for each question mentioned against it.
- (iii) Answer the question after carefully reading the text.

Programming and Computational Thinking

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|---|---|
| 1. Define System software and application software. | 2 |
| 2. Which of the following is/are Operating system | 2 |
| a. Windows b. MS Office c. Linux d. Adobe Photoshop | |
| 3. Define the term Memory with their Types. | 2 |
| 4. Expand the following term | 2 |
| a. DVD | |
| b. ROM | |
| 6. Python is a Platform Independent Language . What do you understand by this feature | 2 |
| 7. Differentiate between int () and float () in Python | 2 |
| 8. What is comment? How can you create single line comments in Python? | 2 |
| 9. What will be the output of the following code? | 2 |
| a. <pre>x = 20 y, x=x,10 print (y, x)</pre> | |
| b. <pre>print (10 + 90 / 2)</pre> | |
| 10. Write a program to get a number in Python display its square | 2 |
| 11. Write a program code to print the sum of two numbers. | 2 |
| 12. What are arithmetic operators in Python. | 2 |
| 13. Create a list in Python that should contain seven no's and print first and last no. from the list | 2 |
| 14. Write a program to print the following numbers by for loop | 2 |
| 1,3,5,7,9 | |
| 15. Write a program to get four numbers' in Python and display maximum no between first and second no and smallest no between 3 rd and 4 th no's. | 4 |
| 16. Define all Relational Operators in Python | 4 |
| 17. Write the output of the following program: | 4 |
| <pre>x=10 y=50 z=40 print(x) x=y print(x+z)</pre> | |
| 18. Differentiate between Dictionary and List with examples. | 4 |
| 19. Write Complete explanations about loops available in Python | 4 |
| 20. Write a program to display all the vowels from a string. | 2 |
| 21. Write the output of the following program in python: | 2 |
| <pre>if "NINE" == "nine": print("True") else: print("False")</pre> | |

(MY SQL)

1. Study the table '*product*' given below and answer the questions.

P_Id	Pname	Dop	Price
IC301	Samsung	2021-1-10	15000
IC799	Videocon	2020-12-10	14000
MC101	LG	2021-1-20	9000

- a) Write the data types of all the columns in the above table. 2
 - b) Write the commands to insert records as given in the product table? 2
 - c) Write a SQL command to delete all records from product table? 1
2. Write complete SQL command to create the following Employee table. 5

Employee

Field	Type
Empid	Int(2)
Empname	Char(25)
Dept	Char(10)
Salary	Int(6)
Age	Int (2)

3. According to given *Bank* table Write the complete SQL commands for (a) to (d)

custid	custname	balance	credlimit	sno
124	Kamlesh	41800.75	50000	3
125	Rajesh Singh	50000	49999	2
126	Manish	100000	70000	1
127	Kamini	54000	NULL	4

- (a) To delete the record of customer whose name is 'Manish'. 1
 - (b) To Show custid, Cust name and balance. 1
 - (c) To Display details of customers whose name start with the character "K" 1
 - (d) To display all the record of the customers whose credit limit is null 1
4. Define My SQL. 2
5. Differentiate between SQL and MYSQL. 2
6. Write the SQL categories of the following commands: 2
- Create table, Update, Delete, describe