

**AISSCE PRACTICAL EXAMINATION 2022-23  
INFORMATICS PRACTICES (NEW)**

**Subject Code: 065**

**Time : 3 Hours**

**Maximum Marks: 30**

**Q1. Problem Solving using PYTHON**

**[5 + 3 = 8]**

a) Write the code to create a DataFrame 'df' and answer the questions followed.

**(5)**

	Col1	Col2	Col3
T1	100.0	100.0	60.0
T2	95.8	100.0	57.48
T3	NaN	100.0	53.58
T4	82.0	85.4	49.20

- Write a command to add one column Total = col1+col2+col3
- Write a command to add one row T5 with values 75.6, 98.6, 56.0
- Write a command to change the column names **Col1 to Maths, Col2 to Science, Col3 to SST.**
- Write a command to print Score of Maths and Science only.
- Write a command to update a value of T3 Row and Col1 / update NaN to 85.0

b) Write a Python program to display the given Result using a BAR CHART

**(3)**

	Maths	Science	SST
Amit	100	100.0	60.0
Mohan	95	100.0	57.48
Sudha	85	100.0	53.58

**Q 2 SQL Queries:**

**[7]**

**Table : Infant**

ItemCode	Item	DatePurchase	UnitPrice	Discount
101	Frock	2016-01-23	700	10
102	Cot	2015-09-23	5000	25
103	Soft Toy	2016-06-17	800	10
104	Baby Socks	2014-10-16	100	7
105	Baby Suit	2015-09-20	500	5

**Note : Discount column stores discount %.**

**Write the commands in SQL for (i) to (vi) and output for (vii) and (viii).**

- To list the names of items and their unit price that have unit price less than 800 and discount more than 5%.
- To display the number of items that have more than 10% as discount.
- To display item code and unit price in decreasing order of unit price.
- To increase the unit price of each item by 10% of their unit price.
- To display the highest unit price of items.
- To display the names of items that have 'Baby' anywhere in their item names.

**Find Output :**

- SELECT MID (Item,1,2) FROM Infant;
- SELECT AVG(UnitPrice) FROM Infant WHERE DATEPURCHASE '2015-01-01';

(i)

- Practical Records
- Project Work
- Viva voce

**[5]**

**[5]**

**[5]**

**External Examiner**

**Internal Examiner**

Name & No. : \_\_\_\_\_

Name & No. : \_\_\_\_\_

Sign : \_\_\_\_\_

Sign : \_\_\_\_\_