

AISSCE PRACTICAL EXAMINATION-2024 - 25

INFORMATICS PRACTICES - (065) SET 2

Date: 03/01/2025 **Max. Marks:** 30 **Duration:** 3 Hours

Q1. Problem Solving using PANDAS & MATPLOTLIB

[5 + 3 = 8]

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

(5)

	Maths	Science	SST
Amit	100	100.0	60.0
Mohan	95	50.0	57.48
Sudha	85	90.0	53.58

- i) Write a command to add one column Total = Maths + Science + SST
- ii) Write a command to add one row T5 with values 75.6, 98.6, 56.0
- iii) Write a command to print Score of Maths and Science only.
- iv) Write a command to update marks of Science of Sudha to 85.0
- v) Write a command to delete a row Mohan

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

- (i) Set the title of graph is "Result Analysis"
- (ii) Display the legends.
- (iii) Display the label of x axis to "Name" and y axis to "Score"

Q2 **SQL Queries:**

[7]

Table:	: Infant	
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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).

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

Find Output:

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

Q3	Practical Records			[5]
Q4	Project Work			[5]
Q5	Viva voce			[5]
	External Examiner		Internal Examiner	
Name	:	Name	:	
Sign	·	Sign	:	

Examiner No: _____