Islamic University Faculty of Computer and **Information Systems**



الجامعة الاسلامية كلية الحاسب الآلى ونظم المعلومات

Numerical Computing Methods Assignment (7)

First Semester 2022/2023

Grade

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Section: 1105



Find the regression line of y on x from the following data:

- 1

- 5

Solvi The line of regression of youx is given by y-5 = (x-x)

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		and the second		FX
X	9	x ²	9°	1 xg
1	2	(4	2
7	5	4	25	10
3	3	9	9	9
4	8	16	64	32
5	7	25	40	35
£1=	27=	2 x2 =	£ 4 =	Exy=
15	25	55	1151	88

$$\bar{x} = \frac{1}{h} \leq x = \frac{1}{5} \times 15 = 3$$
 $\bar{y} = \frac{1}{h} \leq y = \frac{1}{5} \times 25 = 5$

$$6y = \sqrt{1/n} \le y^2 - \overline{y}^2 = \sqrt{1/s}(151) - 25$$

$$6y = 2.260$$

$$Y = \frac{1/n}{6x} \le \frac{1/s}{6x} = \frac{1/s}{6x} (88) - 15$$

$$(1.414)(2.260)$$