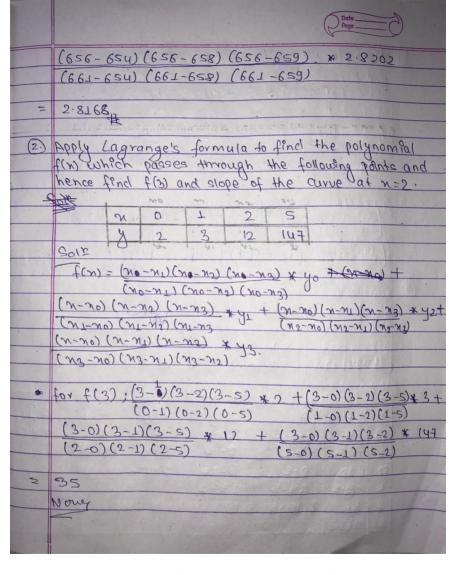
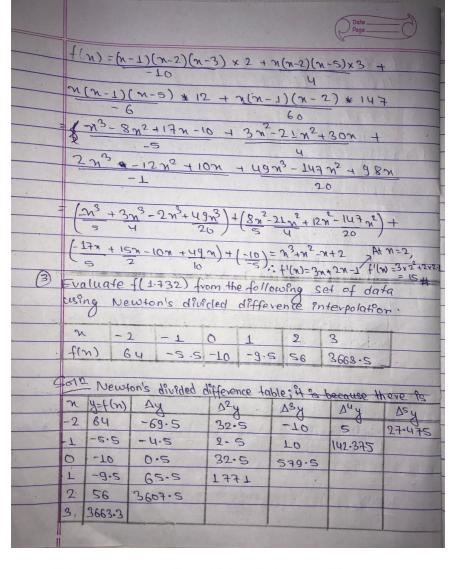
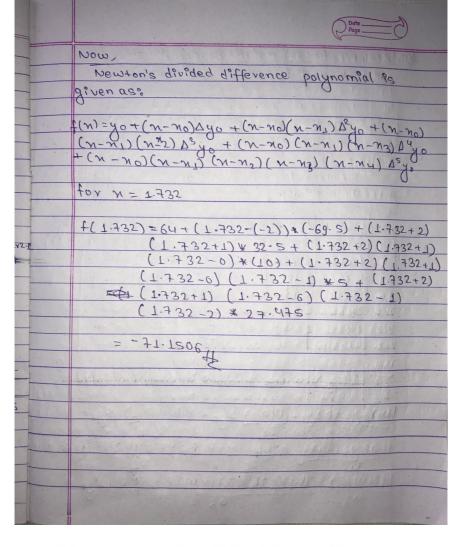
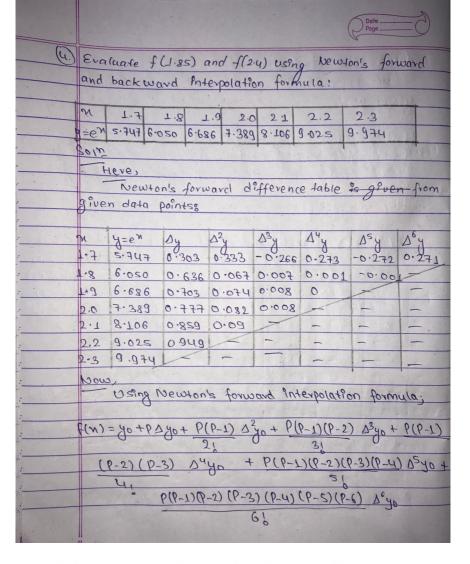
	Assignment-4
1)	Use Lagrange interpolation and find logio 656 from the following table:
	n 654 658 659 661
	log10× 2.8156 2.8182 2.8189 2.8202
	Solt f(n) = (n-no)(n-no) (n-no) * yo + (n-no)(n-no)(n-no) yy
	+(N-NO)(N-N2)(N-N3) + 42 + (N-NO)(N-N2)(N-N2) + 42
	(Mg-No) (M2-N1) (M2-N3) (M2-N6) (M2-N1) (M2-N2)
	for n = 656, f(656) = (656-658) (656-659) (656-661) +2.8156+
	(626-621) (626-623) (624-623) (624-661) 45.8785 +
	(658-654) (658-659) (658-661) + 2.8189 +
	(659-654) (659-658) (659-661)

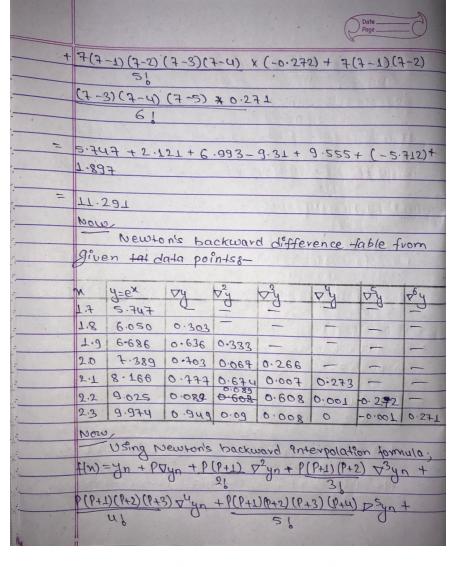


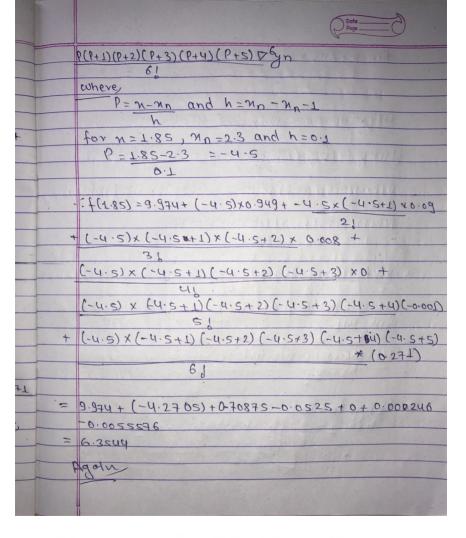


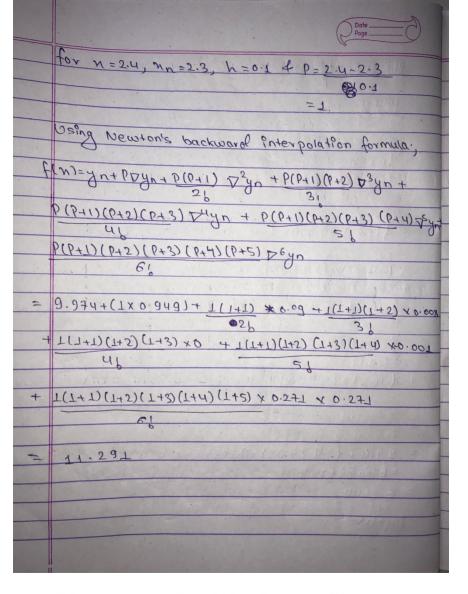




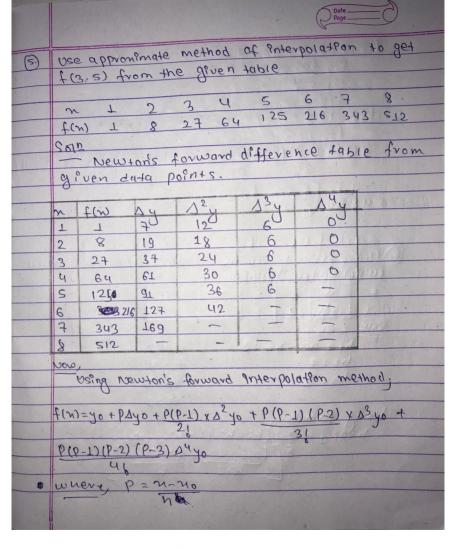
	Date Page
	where, P=n-no
	n
	for n=1.85, no=1.7 and h= 1.8-1.7=0.1
	P = 1.8 5 $-1.$ 7 $= 1.$ S
	0.1
	· f(185) = 5.747 +1.5 * 0.303 +1.5(1.5-1) x 0.333+
m	2(
	1.5 (1.5-1) (1.5-2) x (-0.266) + 1.5(1.5-1) (1.5-2) (1.5-3)
	31 *0.243
	0
71	1.5 (1.5-1) (1.5-2) * (1.5 × 3) (1.5 × 4) * (-0.272) +
	51
	1.5 (1.5-1) (1.5×2) (1.5×3) (1.5×4) (1.5×5)*0.271
	8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	12000 L 2000 L 2000 L 2000 L 2000 L 2000 L 2000 L
	= 5.747 + 0.4545 + 0.124875 + 0.016625 + 0.0063984+
	0.0031875 + 0.0018525
	- (2-111
100	for x=2.4, P=2.4-1.7 =7
1)	0.1
	-: F(2.4) = 5.8747 + 7x 0.303 + 7(7-1) (7x * 0.333 +
1+	2 10 2 10 10 10 10 10 10 10 10 10 10 10 10 10
	7(7-1)(7-2) x (-0.266) + 7(7-1)(7-2)(7-3) x 0.273
-	

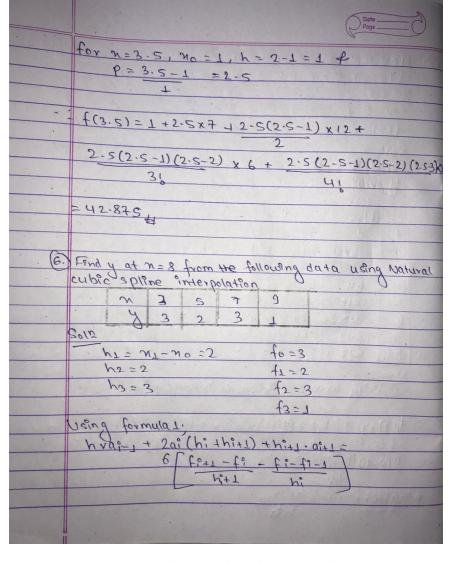


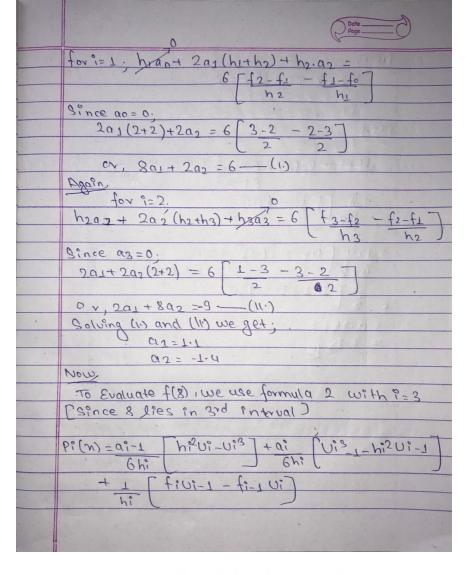


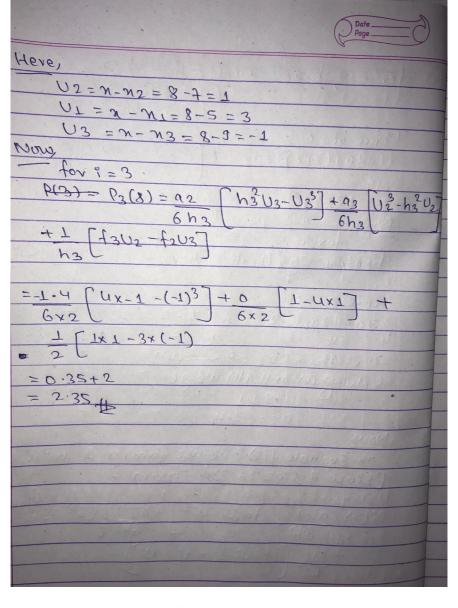


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