STATS 326 TakeHome Test 1 MARKSHEET

NAME:

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Question 1/10			Question 7/10	
Use of acf plot (2 marks)	2		Level 331.7998 (1 mark)	1
Assumptions (2 marks)	2		Change in level - 0.0787 (1 mark)	1
Independence (2 marks)	2		Change in level - *1.. (1 mark)	1
Modelling accounts for some (2 marks)	2		Seasonal (2 marks)	0
To Residual Series (2 marks)	2		Ans 1 dp (3 marks)	1
			Ans in ppb (2 marks)	2
TOTAL Q1	10			
			Total Q7	6
Question 2/5				
acf - exponential decay (2 marks)	0		Question 8a/3	
pacf - 1 sig lag at lag 1 (3 marks)	0		Trend reasonably linear (1 mark)	1
			Break August 2007 (1 mark)	1
TOTAL Q2	0		Slope increases (1 mark)	1
			Total Q8a	3
Question 3/10				
Plot labels (axes & title) (2 marks)	2		Question 8b/12	
Quarterly x-axis by year (3 marks)	3		Residual series (2 marks)	2
Exp decay - annual (3 marks)	3		Plot of acf (2 marks)	2
Exp decay - quarters (2 marks)	0		Ignore lag(1) (3 marks)	3
			Normality (3 marks)	3
TOTAL Q3	8		White Noise (2 marks)	2
Question 4/5				
1.96 (1 mark)	1		Total Q8b	12
sqrt 625 (1 mark)	1			
+/- (1 mark)	1		Question 9/15	
0.078 (2 marks)	2		August (5 marks)	4
			October (5 marks)	4
TOTAL Q4	5		RMSEP (5 marks)	4
Question 5/20			Total Q9	12
Initial model setup (7 marks)	7			
Intermediate steps (6 marks)	6		Question 10/5	
Final model (7 marks)	7		MA Seas Adj - lowest RMSEP (5 marks)	5
TOTAL Q5	20		Total Q10	5
Question 6/5			Assignment Total	84
Linear trend (1 mark)	1			
Break (2 marks)	0			
Seasonal peak (1 mark)	1			
Seasonal trough (1 mark)	1			
TOTAL Q6	3			