APPEARANCE OF MOBILE PHONE(S) / SMART DEVICE(S) SUBJECT TO CONSIDERED AS AN <u>ACT OF CHEATING</u>

College Name:		
Studen	it Name:	Seat No:
Сору No:		
KARACHI UNIVERSITY BUSINESS SCHOOL UNIVERSITY OF KARACHI		
FINAL EXAMINATION JUNE 2015; AFFILIATED COLLEGES BASIC MATHEMATICS-I; BA (H)-321		
		BS – I
Date:	June 1, 2015	Max Time: 1.5 Hrs Max Marks: 40
 <u>INSTRUCTIONS:</u> Attempt all questions. Do not write anything on the question paper. Mobile phones or any other communicating device will not be allowed in the examination room. Students will have to remove the batteries of these devices before entering the examination hall. 		
Q.1.	Solve $6x^2 - 5x - 4 \ge 0$	
Q.2.	Solve the system graphically	x + y = -1 3x + 5y = 1 x - y = -5
Q.3.	 3. A university football team has to play a match with other team, the other team has agreed to play thegame for guaranteed fee of Rs. 500,000 plus 20% of gate receipts, assume that the ticket price is Rs. 50. (i) How many tickets must be sold in order to get Zero profit. (ii) If 40,000 tickets must be sold, what ticket price would allow the university to earn the profit Rs. 750, 000/=. 	
Q.4.	Solve $x^2 \ln x^2 - 5x \ln x = 12 \ln x$	
Q.5.	An investment of Rs. 500,000/= is made which earn profit at the rate of 8% per year ,determine the total amount after 8 years If profit is calculated on the basis of. (i) Compound calculated two times in a year	

- (ii) Compounded continuously
- (iii) When amount becomes 4 times

END OF EXAM PAPER