**Guess Paper 2013  
Class - XII  
SUBJECT – MATHEMATICS**

Q.01Evaluate the following

(i) (ii)

Q.02 using elementary transformations find A-1 if exist,

Q.03The number of all possible matrices of order 33 with each entry 0 or 1 is

(i) 27 (ii) 18 (iii) 81 (iv) 512

Q.04 Find a 22 matrix B such that

Q.05 Let

and I is the identity matrix of order 2. Show that

Q.06 If

, Find *f*(A) if *f*(x) = x2 – 2x +3.

Q.07 Express the following matrix as the sum of a symmetric and a skew symmetric matrix.

Q.08 If , find x and y.

Q.09 If , then find A4 .

Q.10 If then show that ,where n is a positive integer.