Assignment - I

11: Woulte minors and cojactors of each element the tollowing determinants and also evaluate the determinant

using Gamer's rule solve the wastem of equations n+4+2=1, 3n+54+62=4 ant 5A-2CN =17

Q3:
$$A = \begin{bmatrix} 1 & 2 & -1 \\ 2 & 0 & 3 \\ 0 & 1 & 2 \end{bmatrix}$$
, $B = \begin{bmatrix} 3 & -1 & 2 \\ 4 & -3 & 2 \end{bmatrix}$

verity that (A+B)2 = A2 + AB+BA+B2

QY! Find the adjoint of the matrin

Q5! Find the inverse of the matrin

$$A = \begin{bmatrix} 2 & 5 & 3 \\ 3 & 1 & 1 \end{bmatrix}$$

Final the HCF 0+108, 208 and 3 60. Q! Find the HCF of 513, 1134 and 1315 U: Find the LCMOS 16,24,36 and 54 1. Two numbers are in the reation of 15:11,
14 their purposes HCF 1213, tind the numbers & Find the greatest possible lengthwhich con be abed to measure exactly the um 95 cm, amand 16m G5 cm., Q! shobha mathematics test had 75 problems i.e. 10 arithmetic, 30 algebra and 35 geometry problems. Although she anwered 70% of and thmetic, 40% of the algebra and 60% of the deametral proplems correctling she my not pass the text because she got less than 60%. et the problems sught. Howmany more questions she would have needed to answer correctly to earn a Go! possing grade [5] [5] ethe Students possed DI In an examination, 80%. in English, 85% in nathematics and 75% in both English and Mathematics. it 40 students tailed in both the Sub Jects that the total number of Students. [400]

Assignment - III Q: Adam bosonowed some money at the rate of 6. 1. B. a. 402 the First two years, at the rate of T's b.a. too the next three years, and at the rate of 14% b.a. for the benjod beyond dive years. It he pays a total interest of as II, you at he end of nine Geory, how much money Schemes A, B and c with the state of interest 10%. 12 % b.a. and 15 %, b.a. seppectively. 44 the total interest accould in one year was Rs 3200 and the amount invitoring the amount invested is scheme c was 150% of the amount invested in scheme A and 240% of the amount invested in scheme B, what was the amount invested in scheme's. [ps 5000] Q! The difference between the comparund interest and the simple interest accorded on an amount of Rs 18, 500 In 2 years was Ds. 405. What was the rate Q: The difference between compound interest and simple interest on a sum too 2 years at 10%. ber annum, when the interest is componded annually is Rs. 16. 14 the interest were compounded half-yearly, the difference in two interest would be.