TEST - PAPER (CBSE/NCERT)

DETERMINANTS

SESSION -2024-25

CLASS - 12th

JOIN TODAY FOR ADVANCE CONCEPTS ONLY IN ₹3000 PER MONTH

MRP: ₹ 100/- ONLY

ALSO, BASIC CONCEPTS CLASSES IN SUMMER VACATION Apr, May & Jun (Every Year)

DPM CLASSES

6th to 10th (Math's & Science), 11th & 12th (Physics, Chemistry, Math's)

Time: 1hr

mm!

D.2.
$$y^{2}$$
 yz $y+z$ z^{2} z^{2



Q.3. If the coordinates of the vertice of an equilateral triangle with sides of length 'a' are (2141) (2242) and (23143), then



$$A^{-1} = \frac{A^2 - 3I}{8}$$

DPM CLASSES

6th to 10th (Math's & Science), 11th & 12th (Physics, Chemistry, Math's)

Q.5. If
$$A = \begin{vmatrix} 1 & 2 & 0 \\ -2 & -1 & -2 \\ 0 & -1 & 1 \end{vmatrix}$$
, then find the

Value of A-1. Using A-1, Solve the system of Linear Equation oc-2y = 10, 22-y-z=8 and -2y+z=7.

Q. G. Using matrix method, solve the system of equations 3x + 2y - 2z = 3, x + 2y + 3z = 6 and 2x - y + z = 2.

Q. 7. If
$$A = \begin{vmatrix} 2 & 2 & -4 \\ -4 & 2 & -4 \\ 2 & -1 & 5 \end{vmatrix}$$
 and $B = \begin{vmatrix} 1 & -1 & 0 \\ 2 & 3 & 4 \\ 0 & 1 & 2 \end{vmatrix}$.

then find BA and use this to solve the system of Equations y +2z=7, x-y=3 and 22+3y+4z=17.

(3,0) and (0, k) is 9 Sq unit, then the value of k will be.

DPM CLASSES



DPM CLASSES

