TotalMarks:.... Class:9th Time:....

Test:Math

Attempt ..... questions

1 The order of matrix $\begin{bmatrix} 2 & 1 \end{bmatrix}$ is:

a) 2 - by - 1 b) 1 - by - 2

c) 1 - by - 1 d) 2 - by - 2

1 قالب $\begin{bmatrix} 2 & 1 \end{bmatrix}$ کا مرتبہ ہے:

a) 2 - by - 1 b) 1 - by - 2

c) 1 - by - 1 d) 2 - by - 2

2 A square matrix M is said to by skew symmetric if:

a) $M^t = -M$ b) $\bar{M}^t = \bar{M}$

c) $M^t = \frac{1}{M}$ d) $M^t = \overline{M}$

2 ایک مربعی قالب M کو سکیو سمیٹرک کہتے ہیں اگر:

a) $M^t = -M$ b) $\bar{M}^t = \bar{M}$

c) $M^t = \frac{1}{M}$ d) $M^t = \overline{M}$

3 Matrix $\begin{bmatrix} \sqrt{2} & 0 \\ 0 & \sqrt{2} \end{bmatrix}$ is called ..... matrix:

a) Zero b) Identity

c) Scalar d) Singular

3 $\begin{bmatrix} \sqrt{2} & 0 \\ 0 & \sqrt{2} \end{bmatrix}$ کو.....قالب کہا جاتا ہے:

a) صفری b) وحدانی

c) سکیلر d) نادر

4 Adjoint of matrix $\begin{bmatrix} a & b \\ c & d \end{bmatrix}$ is _____:

a) $\begin{bmatrix} a & -b \\ -c & d \end{bmatrix}$ b) $\begin{bmatrix} -a & b \\ c & -d \end{bmatrix}$

c) $\begin{bmatrix} d & -b \\ -c & a \end{bmatrix}$ d) $\begin{bmatrix} a & c \\ b & d \end{bmatrix}$

4 قالب $\begin{bmatrix} a & b \\ c & d \end{bmatrix}$ کا ایڈجائنٹ ------ ہے:

a) $\begin{bmatrix} a & -b \\ -c & d \end{bmatrix}$ b) $\begin{bmatrix} -a & b \\ c & -d \end{bmatrix}$

c) $\begin{bmatrix} d & -b \\ -c & a \end{bmatrix}$ d) $\begin{bmatrix} a & c \\ b & d \end{bmatrix}$

5 If $X + \begin{bmatrix} -1 & -2 \\ 0 & -1 \end{bmatrix} = \begin{bmatrix} 1 & 0 \\ 0 & 1 \end{bmatrix}$ then x = _____

a) $\begin{bmatrix} 2 & 2 \\ 2 & 0 \end{bmatrix}$ b) $\begin{bmatrix} 0 & 2 \\ 2 & 2 \end{bmatrix}$

c) $\begin{bmatrix} 2 & 0 \\ 0 & 2 \end{bmatrix}$ d) $\begin{bmatrix} 2 & 2 \\ 0 & 2 \end{bmatrix}$

5 اگر $X + \begin{bmatrix} -1 & -2 \\ 0 & -1 \end{bmatrix} = \begin{bmatrix} 1 & 0 \\ 0 & 1 \end{bmatrix}$ ہو تو x = _____

a) $\begin{bmatrix} 2 & 2 \\ 2 & 0 \end{bmatrix}$ b) $\begin{bmatrix} 0 & 2 \\ 2 & 2 \end{bmatrix}$

c) $\begin{bmatrix} 2 & 0 \\ 0 & 2 \end{bmatrix}$ d) $\begin{bmatrix} 2 & 2 \\ 0 & 2 \end{bmatrix}$

6 The order of matrix $\begin{bmatrix} 4 \\ 0 \\ 6 \end{bmatrix}$ is:

a) 3 - by - 1 b) 1 - by - 3

c) 2 - by - 2 d) 3 - by - 3

6 قالب $\begin{bmatrix} 4 \\ 0 \\ 6 \end{bmatrix}$ کا مرتبہ ہے:

a) 3 - by - 1 b) 1 - by - 3

c) 2 - by - 2 d) 3 - by - 3

7 If $A = \begin{bmatrix} 1 & 2 \end{bmatrix}$ and $B = \begin{bmatrix} 2 & 0 \\ 3 & 1 \end{bmatrix}$ then "AB" is equal to:

a) $\begin{bmatrix} 4 & 2 \end{bmatrix}$ b) $\begin{bmatrix} 2 \\ 3 \end{bmatrix}$

c) $\begin{bmatrix} 8 & 2 \end{bmatrix}$ d) $\begin{bmatrix} 8 \\ 1 \end{bmatrix}$

7 اگر $A = \begin{bmatrix} 1 & 2 \end{bmatrix}$ اور $B = \begin{bmatrix} 2 & 0 \\ 3 & 1 \end{bmatrix}$ ہو تو "AB" برابر ہے:

a) $\begin{bmatrix} 4 & 2 \end{bmatrix}$ b) $\begin{bmatrix} 2 \\ 3 \end{bmatrix}$

c) $\begin{bmatrix} 8 & 2 \end{bmatrix}$ d) $\begin{bmatrix} 8 \\ 1 \end{bmatrix}$

8 If $\begin{vmatrix} 2 & 6 \\ 3 & x \end{vmatrix}$ then X is equal to:

a) 9 b) - 6

c) 6 d) - 9

8 اگر $\begin{vmatrix} 2 & 6 \\ 3 & x \end{vmatrix} = 0$ ہو تو x برابر ہے:

a) 9 b) - 6

c) 6 d) - 9

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