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4 on the x, y and z axis respectively.

8

Find the area of parallelogram whose adjacent sides are

given by vectors $\vec{a} = 3\hat{i} + \hat{j} + 4\hat{k}$ and $\vec{b} = \hat{i} - 2\hat{j} + \hat{k}$.

Section-C

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rectum for the ellipse $\frac{x}{36} + \frac{y}{16} = 1$

Find the equation of plane with intercepts 2, 3 and

uvery, rind its direction cosine.

ş

 \equiv

do the all vowel always occur together.

Solve the following system of inequalities by graphical $2x+y\geq 6, 3x+4y\leq 12$

Attempt any two question.

(15×2=30))

If p and p be the perpendiculars from origin upon the straight

lines $x \sec \theta + y \csc \theta = a$ and $x \cos \theta - y \sin \theta = a \cos 2\theta$

Attempt any five questions from this section. (5×10=50)

3

rangement-

Find the number of arrangements of the letters of the word "INDEPENDENCE". In how many these ar-

æ

Q4. Find angle between the line vectors

respectively. Prove that $4p^2 + p^2 = a^2$

 $\vec{r}_1 = 3\hat{i} - 2\hat{j} + \hat{k}$ and $\vec{r}_2 = 4\hat{i} + 5\hat{j} + 7\hat{k}$

do the words start with P.

(iii) do the words begin with T and end in T.

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FirstRanker.com Fire thanks de thouse recommendent er.con $\vec{r} = (\hat{i} + 2\hat{j} + \hat{k}) + \lambda(\hat{i} - \hat{j} + \hat{k})$ $\vec{r} = (2\hat{i} - \hat{j} - \hat{k}) + \mu(2\hat{i} + \hat{j} + 2\hat{k})$ EII SILAIN C

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