



GOVIND VIDYALAYA

TAMULIA

Daily Practice Paper (DPP)

Subject-Mathematics

TEST PAPER I

STD XII

DATE 21-10-2014

Test Module



Assignment



Practical Questions



Project



Questions Wizard

- 1) Find angle between the following pair of lines

$$\frac{x}{2} = \frac{y}{2} = \frac{z}{1} \quad \text{and} \quad \frac{x-5}{4} = \frac{y-2}{1} = \frac{z-3}{8}$$

- 2) show that the lines $\frac{x+1}{3} = \frac{y+3}{5} = \frac{z+5}{7}$ and $\frac{x-2}{1} = \frac{y-4}{3} = \frac{z-6}{5}$ intersect each other .

Find the point of intersection also.

- 3) Find the perpendicular distance of point (2,3,4) from the line $\frac{4-x}{2} = \frac{y}{6} = \frac{1-z}{3}$

- 4) show that the lines $\frac{x-a+d}{p-q} = \frac{y-a}{p} = \frac{z-a-d}{p+q}$ and $\frac{x-b+c}{r-s} = \frac{y-b}{r} = \frac{z-b-c}{r+s}$ are coplanar.

- 5) Find image of the point (1,6,3) in the line $\frac{x}{1} = \frac{y-1}{2} = \frac{z-2}{3}$

- 6) Find equation of line passing through (α, β, γ) and perpendicular to lines

$$\frac{x}{l} = \frac{y}{m} = \frac{z}{n} \quad \text{and} \quad \frac{x}{p} = \frac{y}{q} = \frac{z}{r}$$

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