$\xrightarrow{\text { parable to the p pane, } x+3 y+6=1,1,1 ;}$ Equation of a plane parallel to
(2) $2 x+6 y+12 z=7$
(2) $2 x+6 y+12 z=-13$
(4) $x+3 y+12 z=13$
(4) $x+3 y+6 z=-7$ this plane is

$$
\begin{equation*}
x+3 y+6 z+k=0 \tag{1}
\end{equation*}
$$

$\therefore$ The required plane must consent of the point of intersection of the two gen lines

$$
\left.\begin{array}{l}
2 x-5 y+z=3 \\
x+y+4 z=5
\end{array}\right\} \Rightarrow \begin{aligned}
& \text { on observation } \\
& x=1 ; y=0 ; z=1
\end{aligned}
$$

Replacing this value in equation (1), we get $k=-7$
$\therefore$ Equation of the plane is

$$
x+3 y+6 z=7
$$

Correct option is (1)

