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Q. Page Shift Keying (PSK) Method is used to modulate digital signal at 9600 bps using 16 level. Find the line signals and speed (i.e. modulation rate).

(A) 2400 bauds
(B) 1200 bauds
(C) 4800 bauds
(D) 9600 bauds

Ans: (A)

Explanation: To calculate baud rate, modulation have to be divided by the bit rate. See the table below:

MODULATION	*BAUD RATE*	*BIT RATE*
4-PSK	*N*	*2N*
8-PSK	*N*	*3N*
16-PSK	*N*	*4N*

Here, modulation is 96000 bps which is at level 16, so 96000/4 = 2400 bauds.

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