

Moderate

Assistant Engineer (Electrical), Class 2025

Building Department

If the value of the pin STB (Strobe Input) falls to low level, then

A

Input port is loaded into input latches

Correct

B

Input port is loaded into output latches

C

Output port is loaded into input latches

D

Output port is loaded into output latches

Correct Answer: A

Full Detailed Explanation

Concept & Reasoning STB is an active-low peripheral handshake signal in Mode 1 input. Its falling/low action captures input data so the CPU can later read a stable latched value. Output latches are associated with output-mode handshake signals such as OBF, not with the STB input event. How to Solve It in the Exam STB = strobe input input latch. Important Exam Point Active-low notation means LOW is the asserted condition. Related Revision Path This question sits in the revision path Microprocessors and Interfacing 8255 PPI Mode 1 Handshaking.

Open live question on website:

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