

Easy

Assistant Engineer (Electrical), Class 2025

Building Department

When a stack segment is initialised, then

A

SS and SP are initialised

Correct

B

Only SS is initialised

C

Only SP is initialised

D

SS and SP need not be initialised

Correct Answer: A

Full Detailed Explanation

Concept & Reasoning Physical stack addresses are formed from SS:SP. PUSH, POP, CALL, RET and interrupt operations automatically update SP, usually by two bytes for 16-bit words. If either

SS or SP is undefined, stack accesses may go to an unintended memory location. How to Solve It in the Exam Stack address always think SS:SP pair. Important Exam Point Initialize SS and SP coherently before enabling operations that may use the stack. Related Revision Path This question sits in the revision path Microprocessors and Interfacing 8086 Microprocessor Memory Segmentation .

Open live question on website:

<https://sarkariresultout.com/pyq/question/gpsc-ae-electrical-q218-stack-segment-initialization/>