CRITERIA FOR TECHNICAL ASSESSEMENT

In many tech giants like Google, Microsoft, and Amazon, the passing threshold for technical assessments is often set quite high, typically around 70-80% or more.

For Microsoft certification exams, the passing score is set at 700 out of 1,000, which translates to about 70%.

https://interviewing.io/guides/hiring-process/amazon

https://igotanoffer.com/blogs/tech/google-online-assessment

A survey by HackerRank indicates that successful candidates often score much higher than 50% in coding assessments. **[HackerRank's 2020 Developer Skills Report]**

In general, a score around 50% is often considered insufficient because it indicates gaps in understanding that could affect a candidate's ability to solve complex problems and contribute effectively to projects.

GENERAL PRACTICES: In the broader tech industry, a 60% score might be acceptable for entry-level positions or in smaller companies where the competition may not be as intense. However, for more competitive roles or senior positions, companies typically expect higher scores to ensure that candidates have the necessary skills to handle complex tasks and projects

https://blog.imocha.io/software-developer-technical-assessment

https://devskiller.com/coding-tests/

CONCLUSION:

ATLEAST 60% FOR ENTRY LEVEL POSITIONS

ATLEAST 70% FOR MID LEVEL POSITIONS

ATLEAST 80% FOR SENIOR LEVEL POSITIONS

CRITERIA FOR COGNITIVE ASSESMENT

SHL suggested that 50-70% score range suitable for demonstrating a solid baseline in cognitive skills

https://www.shl.com

Entry-Level Positions: For junior or entry-level roles, setting a passing score around the <mark>50th</mark> percentile (e.g., 24 out of 50) may be sufficient.

Technical or Senior Positions: For technical roles, including software developers or engineers, a higher threshold is often used. Companies might set the passing score in the <mark>60th to 70th</mark> percentile range, which typically corresponds to a score of 28-31 out of 50

https://www.criteriacorp.com/solutions/pre-employment-testing-for-computer-software-engineers

https://www.jobtestprep.com/ccat-test-score

CONCLUSION:

<mark>ATLEAST 50%</mark> FOR <mark>ENTRY LEVEL</mark> POSITIONS

<mark>ATLEAST 60%</mark> FOR <mark>MID LEVEL</mark> POSITIONS

<mark>ATLEAST 70%</mark> FOR <mark>SENIOR LEVEL</mark> POSITIONS

RESEACH PAPER AND OTHER MATERIAL

Measuring the Cognitive Load of Software Developers: A Systematic Mapping Study
-Bruno da Silva, Jonathan Fessler California Polytechnic State University San Luis Obispo, United States-