US SCIENCE EXAM

Write an essay on one topic from Part I and one from Part II (2 hours per question). Be specific about historical episodes and evidence and include reflections on the relevant historiography of the topic. Take care to avoid overlap in your choice of examples and evidence for your two essays.

Part I

1. To what extent has scientific education in America been shaped by economic and technological demands of industry?

2. Scientific education has been supported both as technical instruction for scientists and engineers, and as a program of “general education” for informed citizens. How have these ideals been implemented in the United States since the early nineteenth century?

Part II

1. How have historians explained the rise of research as an ideal and practice at American universities?

2. What sorts of institutions have employed scientists and funded scientific research in America since the early nineteenth century, and how have these institutional changes mattered for the character and content of science?

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