



REPUBLIC OF THE PHILIPPINES

**POLYTECHNIC UNIVERSITY OF THE PHILIPPINES**

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GEED 007 Science, Technology, and Society

Assignment 2

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**Analyze and explain how these intellectual (scientific) revolutions define society.**

Intellectual and scientific revolutions have shaped how society understands the world and how people live within it. These revolutions challenged old beliefs and introduced new ways of thinking, which changed how knowledge was created and shared. For example, the shift from religious explanations of nature to scientific reasoning encouraged people to question, observe, and search for evidence. This gave society a foundation for modern science, technology, and education. As understanding grew, people began to see themselves not only as followers of tradition but as individuals capable of discovering and shaping their own reality.

These revolutions also influenced how communities were structured. Advances in medicine improved health and life expectancy, allowing society to grow and develop. Innovations in communication and transportation connected people across distances, making the world feel smaller and more interconnected. Scientific progress also encouraged collaboration, because discoveries often required shared knowledge and collective effort. This changed society from being isolated and tradition-bound into something more open, progressive, and curious.

However, these revolutions also reminded society of responsibility. As knowledge and technology expanded, so did the potential for both positive and negative effects. Scientific revolutions encouraged people to think critically about how progress should be used, who benefits from it, and how it affects the world and environment. In this way, intellectual revolutions did not just change what society knows, but how society thinks, interacts, and makes choices. They shaped culture, values, and identity, influencing not only how people live, but also how they imagine the future.