

Technology and Society, Preparatory Year, Corrective-Spring 2020 (Prof. Dr. Ahmed El-Assal, Dr. Ameer Aziz)

Write a brief essay about one of the following topics. Select the assignment number that coincides with your number in your section names list.

□ على كل طالب ان يتخير احد الموضوعات. على الا يقل البحث عن 5 صفحات ولا يزيد عن عشر صفحات. ويتم كتابة البحث طبقاً للتعليمات المنشورة على موقع الكلية مع دعم البحث بأي رسوم توضيحية لازمة لتوصيل الفكرة.
□ يجب الا تطابق الأبحاث والا سوف يعتبر التطابق عساً و الأبحاث المتطابقة تؤدي الى رسوب اصحابها.

SUBJECTS FOR DISCUSSION

1. Can you think of any technologies that were developed simply because of the technical challenges involved? How can these “impractical” technologies be justified?
2. How do you feel when a technological device upon which you depend malfunctions? What do these feelings tell you about your attitude toward technology in general?
3. From what process then—from what source—do the devices and methods and products that form the economy originate? That is our question. What Qualifies as a Novel Technology?
4. Discuss the following statement: The need for invention may arise from an economic opportunity, the recognition of a potentially lucrative market perhaps; or from a change in economic circumstances; or from a social challenge; or from a military one.
5. Give more insight about the statement: “So this second phase of the invention process overlaps the first. Bringing the concept to full reality means that a detailed architecture must be worked out; key assemblies must be built, balanced, and constructed; measuring instruments must be appropriated; theoretical calculations must be made.”