Technology and Society, Preparatory Year, 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 is coincides with your number in your section names list.

- على كل طالب ان يتخير احد الموضوعات التي يتوافق رقمه في السكشن مع احد الأرقام امام الموضوع. على الا يقل البحث عن ٥ صفحات ولا يزيد عن عشر صفحات. ويتم كتابة البحث طبقا للتعليمات المنشورة على موقع الكلية.
- يجب الا تتطابق الأبحاث والا سوف يعتبر التطابق غشاً لكل الأبحاث المتطابقة ويؤدي الى رسوب اصحابهم.

SUBJECTS FOR DISCUSSION

Numbers: 1,9,17,25

1. In your opinion, which recent technology has produced the greatest benefit? Which has produced the most harm? Are there any harmful elements to the beneficial technology, and has anything good come from the harmful one?

Numbers: 2,10,18,26

2. Do all technologies require material artifacts of some sort? Does it make any sense to speak of *bureaucracy* as a kind of technology?

Numbers: 3,11,19

3. Are technologies "gendered"? Are some technologies identified with women and others with men? On what bases do we make these distinctions? Will this situation necessarily continue in the years to come?

Numbers: 4,12,20

4. Can you think of any technologies that were developed simply because of the technical challenges involved? How can these "impractical" technologies be justified?

Numbers: 5,13,21

5. 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?

Numbers: 6,14,22

6. 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?

Numbers: 7,15,23

7. 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.

Numbers: 8,16,24

8. 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."