Ahmedabad University

School of Arts and Sciences

CSE340 Operating Systems

Mid Term Examination 2022-23 (Monsson Semester)

Total Marks = 50 **Time – 2 hours**

Enrolment Number:.....
Date: 17-09-2022
No. of printed pages: 1

***Section - A** : Each question carries 05 marks.* **[20 Marks]**

Q1. Discuss two examples where this course would be helpful for you.

Q2. How *bootstrap* program is different from the kernel?

Q3. What is the role of an assembler program in a computer system?

Q4. Briefly compare the multiprocessor and clustered systems.

***Section - B** : Each question carries 10 marks.* **[30 Marks]**

Q6. Use a diagram to discuss workflows of the CPU, Device and Memory? 10

Q7. What is a *trap*? Discuss interrupts using a timeline diagram. 2 + 8

Q8. What is *cache?* Briefly discuss the storage-device hierarchy. 2 + 8