



MACHAKOS UNIVERSITY

University Examinations for 2019/2020 Academic Year

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF COMPUTING AND INFORMATION TECHNOLOGY

FIRST YEAR SECOND SEMESTER EXAMINATION FOR

CERTIFICATE IN INFORMATION COMMUNICATION TECHNOLOGY

INTRODUCTION TO INFORMATION COMMUNICATION TECHNOLOGY

DATE: 17/12/2020

TIME: 8.30-11.30 AM

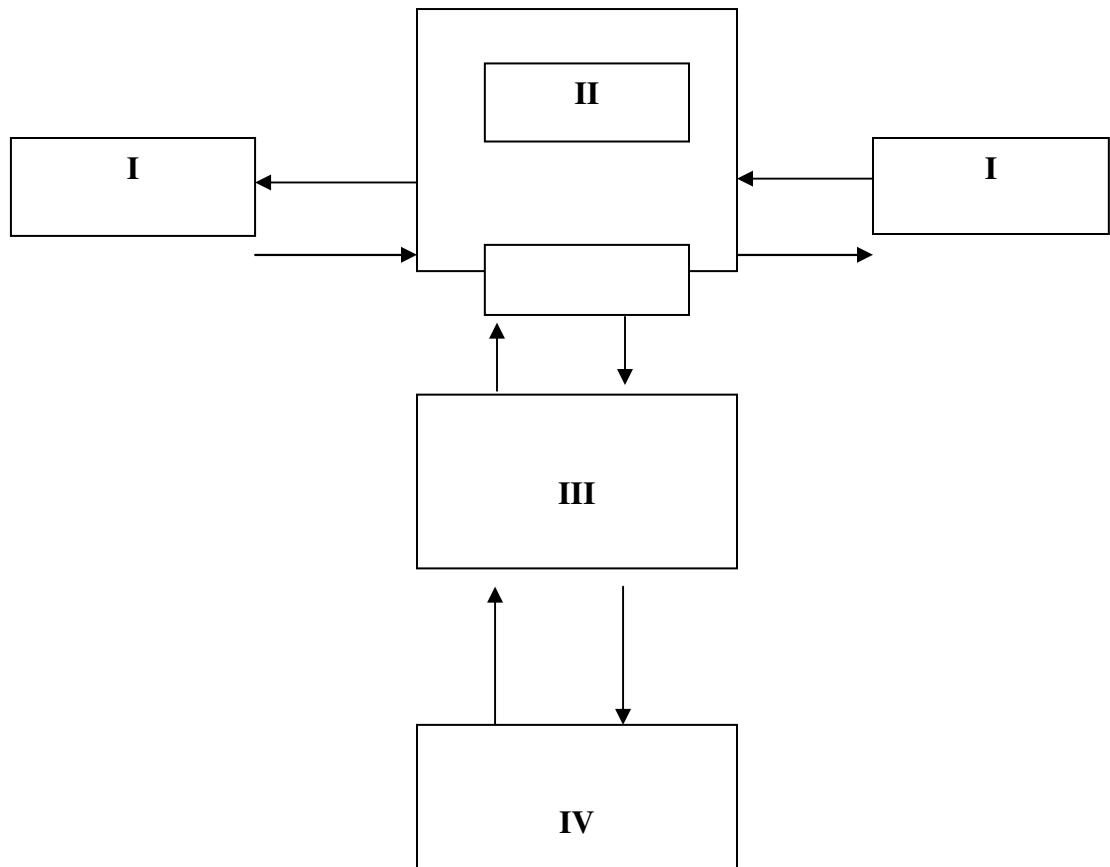
INSTRUCTIONS:

Answer any **FIVE** of the following **EIGHT** questions in the answer booklet provided

ALL questions carry equal marks.

1.
 - (a)
 - (i) Describe three uses of internet in the modern world. (6 marks)
 - (ii) Distinguish between intranet and extranet as used in internet. (4 marks)
 - (b) Explain five benefits of using computers in today's business world. (10 marks)
2.
 - (a)
 - (i) Highlight four secondary storage devices of a computer system (4 marks).
 - (ii) Describe two types of printers that are used in business firms. (6 marks)
 - (b) Explain two types of computer memory giving examples in each. (10 marks)
3.
 - (a)
 - (i) Explain the term computer. (2 marks)
 - (ii) With the aid of a hierarchical chart, describe the categories of computer software. (8 marks)
 - (b) Explain the fetch execute cycle. (10 marks)
4.
 - (a) Distinguish between input devices and output devices giving two examples in each. (10 marks)
 - (b) Describe five symptoms of a computer virus. (10 marks)
5.
 - (a) Distinguish clearly using an example, the difference between system software and application software. (10 marks)
 - (b)
 - (i) Explain the significance of a red wavy underline in a word processing document. (4 marks)

- (ii) Describe three risky assignments in which computers may be deployed in the place of humans. (6 marks)
5. (a) (i) Highlight the features of RAM as the main memory of the computer.(4 marks)
- (ii) With the aid of a diagram, describe how the Control Unit performs its operations. (6 marks)
- (b) Figure 1 shows the functional components of a computer system: Giving brief description, identify the components labeled I, II, III and IV. (10 marks)



6. (a) Explain all the phases of a computer system goes through to accomplish the booting process. (10 marks)
- (b) Do computers create jobs or do they destroy? Discuss (10 marks)
7. (a) (i) What is spread sheet and where can it be used? (2 marks)
- (ii) Define the following:
- Worksheet
 - Workbook
 - Cell
 - Range
- (8 marks)
- (b) Discuss how computer viruses are spread and the impact they have in the computer industry today. (10 marks)