



MACHAKOS UNIVERSITY

University Examinations for 2019/2020 Academic Year

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF ECONOMICS

FIRST YEAR FIRST SEMESTER EXAMINATION FOR

ARTISAN IN

AUTOMOTIVE ENGINEERING

ELECTRICAL ENGINEERING

BUILDING TECHNOLOGY

FOOD AND BEVERAGE

GARMENT MAKING

INTRODUCTION TO INFORMATION COMMUNICATION TECHNOLOGY

DATE: 21/11/2019

TIME: 8.30-10.30 AM

INSTRUCTIONS:

Answer question **one** and **any other two** questions

QUESTION ONE (30 MARKS) COMPULSORY

- a) Explain computers in terms of :
 - i. Size
 - ii. Processor mode of operation
 - iii. Purpose and use (12 marks)
- b) Give three areas of computer applications. (6 marks)
- c) Using an illustration, explain the functional components of a computer system. (10 marks)
- d) What is the difference between data and information? (2 marks)

QUESTION TWO (20 MARKS)

- a) In respect to computer storage, explain two types of storage. (6 marks)
- b) Differentiate between **RAM** and **ROM**. (4 marks)
- c) Define an operating system and explain its work. (6 marks)
- d) Distinguish computer software from hardware. (4 marks)

QUESTION THREE (20 MARKS)

- a) Define a computer. (2 marks)
- b) What is a cursor? (2 marks)
- c) Define scroll bars and explain their purpose. (5 marks)
- d) Explain two areas where word processor is largely in use. (4 marks)
- e) Differentiate between “**SAVE**” and “**SAVE AS**” as used in word processing. (4 marks)

QUESTION FOUR (20 MARKS)

- a) What is spread sheet and where can it be used? (3 marks)
- b) Define the following:
 - i. Worksheet
 - ii. Workbook
 - iii. Cell
 - iv. Range (8 marks)
- c) Discuss three importance of internet to a student of Machakos University. (3 marks)
- d) Distinguish clearly using an example, the difference between system software and application software. (6 marks)

QUESTION FIVE (20 MARKS)

- a) What is computer hardware? (2 marks)
- b) What is the function of the main memory? (4 marks)
- c) Explain what is CPU and its work. (5 marks)
- d) Write short notes on fifth generation computers. (4 marks)
- e) Giving examples, distinguish between output devices and input devices. (5 marks)