

EAST AFRICAN SCHOOL OF AVIATION EXAMINATION

END-TERM EXAMINATION

SUBJECT: COMPUTER APPLICATIONS

STREAM: Y2 (TEP A\$E)

Duration: 3 Hrs

ENGINEERING SECTION

DAY/DATE: 18/3/2016

TIME: 2.00PM - 5.00PM

Instructions to Candidates:

- of Aviation This paper consists of **Three** (3) printed pages. 1.
- Attempt All Questions 2.

d) Describe four essential characteristics of DRAM as applies to computers memory

c) Distinguish between EPROM and EEPROM as applies to computers memory

a)	Pick th	(2 Marks)					
	a)	16 bit	ALU,	16 bit Bus;	b)	32 bit ALU, 16 bit Bus;	c) 8 bit ALU,
	32 bit I	Bus;	d)	32 bit ALU	64 bit B	e) 32 bit ALU	J, 32 bit Bus

b) Pick the correct choice for the highest binary number that can be referred to on a (1 Marks) three position parallel switch block?

c) RS-232 is a standard that applies to which type of computer communication?

b) What is "DDR 1" as refers to computer memory

Q5.

O4. a) A computer memory package is described as DDR-2; SO-DIMM; SD-RAM. Explain "SD-RAM" in as far as the functionality of the memory module is concerned. (3 Marks)

- Q3. a) Draw a block diagram to illustrate the **basic** organization of a Central Processing Unit and explain the functions of the various components. (4 Marks) b) With reference to a CPU, What does MIPS means? (1 Marks)
- serial bus?
- storage device? (4 Marks) b) What is cache memory and how is it different from primary memory?

a) Give four reasons why the flash disk is replacing the floppy disk as a portable

(4 Marks)

(2 Marks)

(3 Marks)

(4 Marks)

(3 Marks)

c) Give three advantages that have resulted in the wide spread use of a universal

b) Distinguish between volatile and non-volatile memory (2 Marks)

c) What are the three main functions of an assembler in assembly language

d) Give four advantages of high level language programming over assembly

e) Give three advantages of assembly language programming over machine

01. a) Distinguish between a data bus and an address bus in a computer system.

02.

programming?

language programming?

language programming

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(2 Marks)

(1 Marks)

(2 Marks)

(3 Marks)

(4 Marks)

	a)	7; above	b)	6;	c)	F;	d)	1;	e)	None of the
c)	Which of the following is NOT a type of motherboard expansion slot?									
	a) IS	SA;	b) PC	I;	c) AG	P;		d) A'	ГХ	(1 Marks)
d)										
	a) S	IMM;	b) DI	MM;	c) RO	M;	d) SL	IPP		(1 Marks)

***********END*********