

Mt Kenya University



BEBIT 1106 - Computer Skills and Applications

TAKE AWAY ASSIGNMENT (Submit to my mail before the exams)

Question 1

- a) What is cache memory and what is the reason for using cache memory? Enlist and differentiate the different types of cache memory available in today's computers and how cache memory works **(3 Marks)**
- b) A computer's processor is made up of three main components. Name the components and briefly discuss how each component operates with emphasis on Registers **(3 Marks)**
- c) Briefly explain the ways in which memory is managed by an Operating System **(4 Marks)**
- d) Differentiate between a system and a boot partition **(2 Marks)**
- e) Hard disk drives can either be basic or dynamic. Briefly discuss the two types of disk types and state how fault tolerant dynamic disks operate **(4 Marks)**
- f) Outline the difference between electronic memory, magnetic memory and optical memory **(4 Marks)**

Question 2

- a) When an Operating System is said to be '8 bit', '16 bit', '32 bit', '64 bit' or '128 bit', what does it mean and what are the advantages of the '128 bit' OS over the rest? **(4 Marks)**
- b) Define a Database and provide its advantages over flat file systems of data storage. With examples, explain what relationship and referential integrity mean in a Database system **(2 Marks)**
- c) Create a presentation with the main heading "KT Tours – Vehicles for Hire" being the first slide. Apply an attractive template. Each slide heading should have a shadow and in bold. **(4 Marks)**

Slide 2

Passenger vehicles

4 door saloons

5 door estates

3 door hatchbacks

3 door notchbacks

Slide 3

High powered Vehicles

2 door Coupes

4 door Super saloon

Slide 4

Trucks

4 cylinder 2 x 4 trucks

4 cylinder 4 x 4 trucks

6 cylinder 2 x 4 trucks

6 cylinder 4 x 4 trucks

4 x 4 Full house trucks

Slide 5

Charges

* Passenger Cars Kshs. 25,000/km

* High powered cars Kshs. 45,000/km

* Trucks Kshs. 50,000/km