RUAHA CATHOLIC UNIVERSITY (RUCU) RCS 113: INTRODUCTION TO INFORMATICS- Quiz I

	Time: It aci	
Weight: 25 Marks	Time: 15 Minutes	INSTRUCTION:
Weight		All auswers must be written on this paper.
	Design	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2

1. Identify Input, Output, and Storage devices among the following. Write INPUT for an input device, OUTPUT for an output device and STORAGE for a storage device in the respective space provided for each item on the right hand side.

Jump drive	IMPUTA	STORMAG
	IMPUTY	STORAGE
SSD	IMPUL	Coulle
Trackballs		(most (Mouse)
Gamepad	ou (Pacing	INPUT
Plotters	ourpui L	(Printer)
Punch card reader	STORAGE &	INBUT
Light pen	14Put	
Microfiche	our Pui	
Remote	IMPUT L	1
Digitizer	IMPUTI]
Heater	outpui L	
Sensors	· output of	Insut
Paddle	output d	INPUT
Actuator	IMPUT &	DUTPUT
Magnetic tape	STORAGE V	7
SD card	STURAGE V	
	5	

2. Read the characteristics below and write whether is true or false for Main memory and Secondary memory

Characteristic	Main Memory	Secondary Memory
Very close connected to the processor	TRUE	PALSE 1
Holds programs and data that the processor is actively working with.	TRUE	FALSE W
Used for long term storage	FALSE	TRUE V
Data are organized into files	FALSE	TRUE
Fast access	TRUE V	PALSE
The processor interacts with it millions of times per second.	TRUE V	PALST V
Relatively huge capacity	FALSE ~	TRUE V
Slow access	forst u	TRUE -
Stored data are easily changed	RAMCA	TRUE
Holds programs and data	FALS &	TRUE

3. Give five examples of the data that computer takes as inputs.

1.	letter
2.	Audios
3.	Photos/pictures
4.	videas
5.	AD

Numbers Egnibols Piles Brograms Page 1 of 2

Abolity of computer to Ability of computer to process particular Amount storage storage storage

5. Bytes, Kilobytes and Megabytes are units used for the amount of data stored in a computer. State which of these units is most appropriate for the following items of data;

la Late C
galutes
y e (
7

Give the long form of the following abbreviations.

HDD /	g observations.
DVD	Villa Combinate of his
CD	busic video bisic & DIGITAL VIDEO DISC
USB	compact bisle

RUAHA CATHOLIC UNIVERSITY (RUCU)

RCS 113: INTRODUCTION TO INFORMATICS-Quiz 2

Weight: 20 Marks Time: 15 Minutes	INSTRUCTION:
0	All answers must be written
	on this paper.
Name: (De la Cara de	
A. C. I we be clister to a chitechire	
Peer peer	
Client server	

Describe three types of a communication mode as far as a computer network is concerned.

Mention two possibilities of a transmission medium.

wire less medium

Correctifica.	
unicast,	
Mult cost	
broad cust	

4. Describe three types of a transmission mode as far as a computer network is concerned.

Ă.	,			
Themeson of users	Classification of computer networks is based on:	Half Duplex	Simplex	
	pased on:			

1	The basic criteria for selecting a server based network are:
6.	The basic criteria for selecting a server based need
+ 1	4 60 9 101 1011
	wound er of wer
	Installation
	Applitation
	tost
7.	Mention six network devices that you know.
	cables
3 mil	Computer
	Internet
	Electronic dences (0)
	MSR
34	
8.	Mention four types of cables that are used in networks.
Γ	Bus /
	Topology
-	2+200
	Ring
	6/6
0	
Э.	The five basic factors for selecting the type of network physical topology are:
5/L	Scarable)
	Trouble (shout
	Humber of wers of lustallation
	I his tallation
73 14 12 14	
	하는 사람들은 사람들이 되었다. 그는 얼마를 보고 있다면 하는 것이 없는 것이 없는 것이 없는 것이 없다. 그렇게 되었다.
	맞면서 발생해야 하는 이번 보면 보고 있는데 보고 있다면 하면 보고 있는데 하는데 모든 보고 있다고 하게 되었다.

RUAHA CATHOLIC UNIVERSITY (RUCU) RCS 113: INTRODUCTION TO INFORMATICS - Test I Time: 1 Hr INSTRUCTION: Weight:40 Marks All answers must be written on this paper. Name: Mention six devices that are both Input_Output devices. Frush drisk Touch pad Mouth Monitor d Microphone Fax Indicate the technology used in each generation of the computer. Technology Used Type of Generation 1945-1956 1st Generation Va Chum 1959 - 1965 2) oti, 2 magri TT 2nd Generation Intergrated 1965 - 1971 3rd Generation 1921 - 1980 Microprostesox 4th Generation 1980- up to utrascale man computer 5th Generation 3. Indicate the computer generation pertaining to the characteristics shown below. ene ration Computer can understand spoken words and imitate human reasoning. eneration Fast processing power and less power consumption and no air conditioning required. generation Used mouse and keyboard for input. eneration Used assembly language and used faster peripherals like printer. the motion Computer consumed a large amount of energy and they had very slow speed. generation Computers could calculate data in millisecond. deveration Computer could calculate data in microseconds deneration Computer could calculate data in nanoseconds. deneration All types of high level languages can be used. emeration Used advanced programming and technologies. 4. Indicate the types of computer pertaining to the characteristics shown below. MicroComputer The cheapest computers and are designed for general usage. mai & flame They are not designed for a single user and can be accommodated on a disk. Main Stame They can be accommodated in large air-conditioned rooms and can also process and store large amount of data. Specialized and task specific computers, used for research and exploration purposes. The CPU is comprised of three main components/parts. Mention and describe them. **Function CPU Component** Logarythim Althorefic ALU un H Cu Memory/register Give the differences between the system software and application software. Application Software System Software

speed

inte

mgh

)စ ယ

Low

users

do es

Page 1 of 2

use

	(0.3)
Example are (slimix)	Example are microsoft word
What are four primary functions of the processor?	
r= 1. Cla 1.1a	
To Code data	
To Analyze the data	
11 is wed in Dafa storage	
C. st. and of computer mi	Mention them.
There are two primary manufacturers of computer micro	processors
Microprossecor	-40)
Micro de vicie	
There are several factors that affect processor perfor	Mention them.
	mance. And
Humber of Wets	
space of RAM	-
clock speed	
RAM capacity	-4(6)
1	
hard dista dapacity	
What are the major four factors to consider when a comp	outer is to be classified?
Size	
Ctorage	
Speed	420
Function /	
Cost	
. Give factors that affect the performance of the operating	system.
Trouble shout	
geographical location	71)
type of graphic used	T(J)
space and capacity of regus	icr
THE Production	
What are the major four factors to consider when operat	ing system is to be classified?
tuaction of operationa system	
speed of Performance	
Ram management	$\mathbb{J}(\mathbb{Q})$
Mention services of operating system.	
base possessing Instruction	
15 weet in badd processing	and qualysis
RAM management	((())
Hard dule management	
ROM manageenent	