e CAD ste  designing  cAD st  extensive  including  Aere space  Tt es		2. How bank  Computer:  Banks. The  banks. The	then so computer CHAPTE
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ance ast ast applications wilding, and and astrong. Animation.	cand cand bank	mainteins of the	OMPUTER

70 - 3214WA
vi storage type and speed
VIV BUX SDEED
viii) Cooling and thermal management viii) Software optimization
Ix) Instruction set Architecture.
8-4 What do you meant by teamine
Aus Mainframe computer is accessed
by the used through special
terminal device is called
Br-4 What do you meant by termine  Aws Mainframe computer is accessed  by the user through special  terminal.  There are two types of terminals
There are two types of terminals.  * Dumb terminals-
Dunb terminal & an input
output devices having no
- Pracesing and storage compabilities
* Intelligent terminal 1-
input foutput devices that can  Perform some sort of  calculation · Intelligent terminal  is faster than dumb terminal
Perform some sort of
calculation . Intelligent terminal
is faster than dumb terminal
315/20/202

input to the computer for further 6. Define OCRZ Aus OCR stand for "Optical character recognition" it consist of scanner and a software. The scanned read the documents and some it image in the computer. The software convert the image into editable text. OCR is used to read utility bills and price tags". The information on the utility bills and frice tags is printed in Particular font. The OCR device reads the information & convert it into converted into the digital code is the processed by the computer. 8. Define the working of MICR?

Ausr MICR stands for "Magnetic ink

character recognition". The MICR is used to read text printed in magnetizar ink. It is used in banks for cheque processing. MICR character are printed on the lower- kept edge of the cheque. The characters represent the bank number, account number and check number. Each cheque is inserted into in MICR reader which or sends with

\* Display Sween ibigi is device Size - 626 W measure (5 diagonal wints size Colour 3) Resolution Red, blue, green - Ost 216 Eli is 34 et outer white - of by reflect list we black - of by absorb is some 4x3 picture of 2 whice use pixel 2. L 22/ display Picture device of g. VGA video graphic array. SVGA Super video XCJA extended graphic arrays Monitors Deflected phosphorus Election Guns illuminate Si j'es screen en ole de il il son - ce ile - les tro of light of light to 26 Sti Colour dir - MIX different

## iii) Sheet-fed Scanner

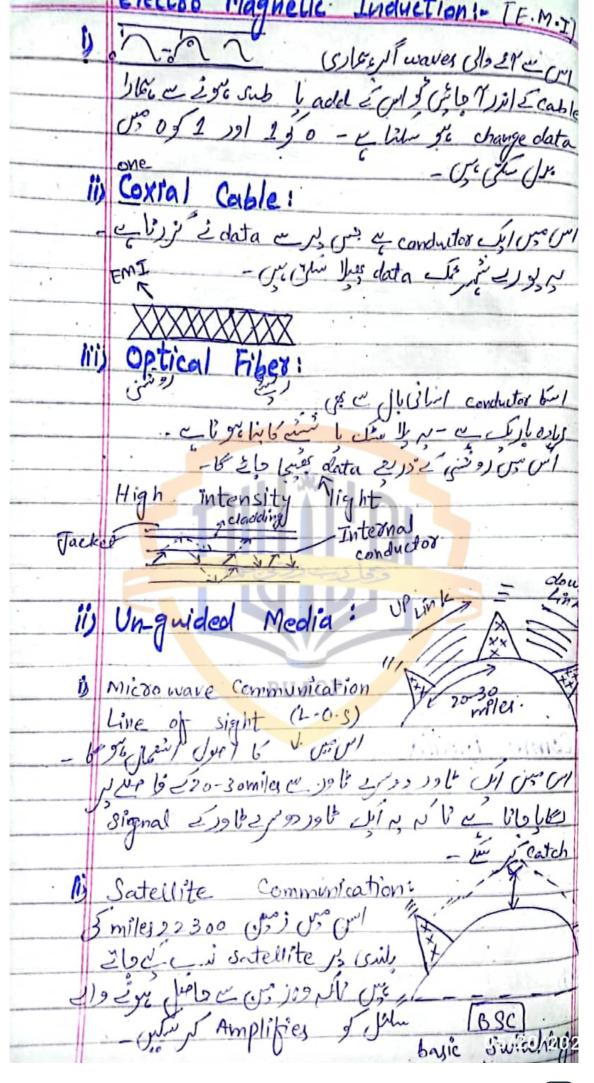
A sheet-fed scanner is a type of scanner that scans only one piece of paper at a time. The paper is moved automatically through the scanner across a stationary scan head. Sheet-fed scanners can scan photos, letters, forms, business cards, and even receipts. Sheet-fed scanners are available in different shapes and types. Some of them are shown in the following figures.



Figure: Sheet-fed Scanners

## 2 2 OUTPUT AND OUTPUT DEVICES

Components of System Unit 1:12 USB hub is used for? A device that expands a single USB port into several so that there are most post available to connect devices to the host system. Similar to power strip. 3.12 Défine hot swapping? act of removing components from or plugging them into a computer system while power remains switched on". 2-3 Define data access time and how we can determine it? Ensy In the computer, it is the time interval botween the instant at which an instructions control unit instates a call for data or a request to store data and the instant in which the delivery of the data ps completed or the storage is started. arlo which factors effects processing speed of computers Any is Processor clock speed in Cache size (V) RAM 05/20/2012 " Number of cores



CHITITEK 110. GB
INPUT AND OUTPUT DEVICES
INPUT TOND COTTO
1 what is fassimile machine and
how it works?
my A facsimile machine is a device
that is use to send documents
electronically over a telephone
network. The transmission it send
are called facses and these can
be b/w a two face machine or
b/w a facs machine and
computer or online for service and
that is equipped to send and
receive tranes.
5. What is bascode and where it is
used?
Augr A bascade is an identification code.
It consists of a set of vertical lines
and spaces of different widths.
It is on a product or on a label
It consist all information about
the product There are several.
bar-coding systems in use . The
most important commonly used bar
code is universal product code (UPC).
Barcode is read by a barcode reader.
The barcade reader uses a laser
beam to scan the code. The barcode reader
square code and translates it into
digital code. The digital code 5/15/20124

1945 to 1956	
Thousands of vactum tubec.	
consumed lots of power.	
Generated large amount of heat	
* Generalea large amount	
Large in size.	
* Very expensive	
uced Machine language.	
+ Punched cards & Paper lapes	
* Fastest calculating Device. E.g.	ENIAC
r Additions/ser.	EDVAC
\$ 3000 multiplication /sec.	NIVAC-]
* 350 mutiplication /sec. 2nd Generation of Compute	7
1956 to 1963	
* Used Transistors	4.
	vation.
+ Cheaper and more sellente	
* More energy efficient.	-
* More energy efficient.  * Still generated lots of heat.	
+ used magnetic care technology:	
* Used magnetic care technology: * Saved instruction in memory.	1
* Saved instruction in memory	
* Used machine / Assembly language	
e.g.	
IBM 7090	
CDC 3600	~
38d Generation of Computer	
1964 to 1971	
* Used integrated circuits (IC)	
* Smaller and Faster.	
theoper than 2nd generation.	
Accepted with the Montton	
* Accessed using keyboard, Monitor	2:08
*II IISEM AVOXATION SUCTEM	

	Made available to large number of paper. people.  e.g.  TRM 360
*	Made available
	of Paper. People
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	1 IBM 360
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<b>A</b>	Small and portable.
4	Changest and work at
*	Larger memory.
*	Larger memory. 60 I and application software.
*	Hand held devices.
	eig.
Future)	5th Generation of Comp
ruure	ULSI (Ultra large scale integration
*	Faster, cheaper.
	Self reliant
11	Quantum technology.
	Vano technology.
*	Intelligent computers.
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	t all a total
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