

Scheme of evaluation

Course : Computer Hardware & Networking
 Code : 6043(15)

Scoring indicators

Qn No.	Scoring indicator	Split Score	Sub total	Total
1.	+5v - Red +12v - yellow -12v - Blue Ground - Black	2		2
2.	It describes the size the layout of the motherboard, power supply connected components, etc.	2.		2
3.	It indicates the speed of hdd etc. It is the time taken by the head actuator to move the head arm from one track to another			
4.	Communication, business, Education etc. (any four).	$\frac{1}{2} \times 4$		2
5.	Hub takes the input data from one of the ports and broadcast the information to other ports. Connected to the network.	2		2
				10

11. 4.

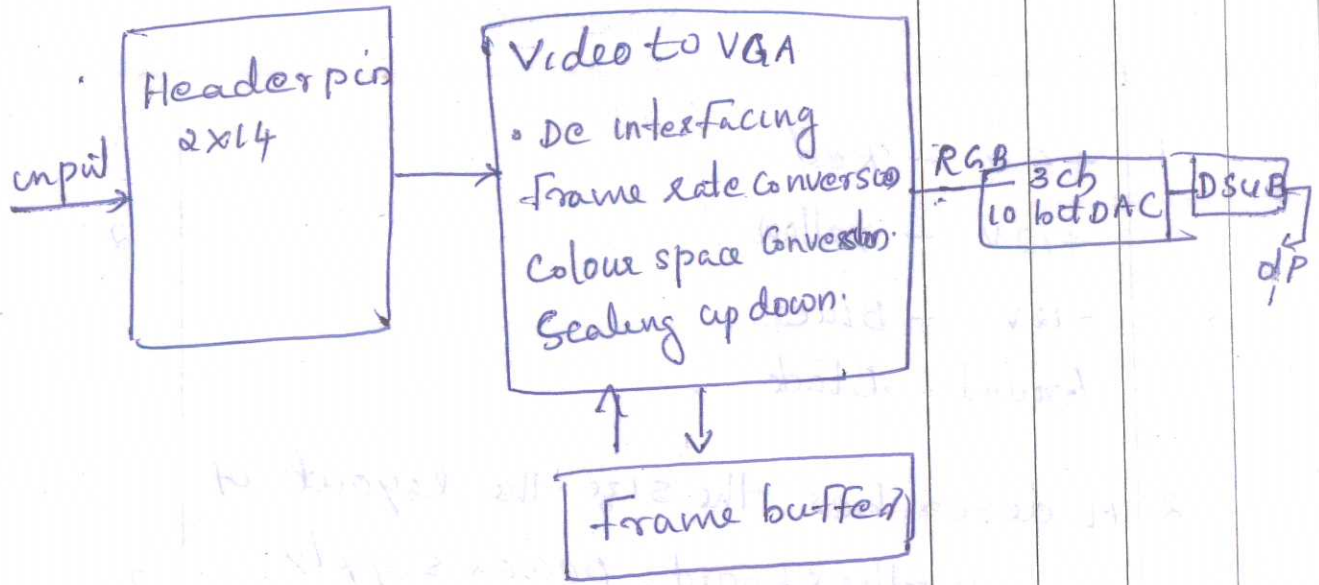


Figure + explanation 4+2 6.

2. explain SIMM, DIMM, RIMM 3x2 6.

3. Low level formatting is the process of marking the cylinders and tracks for a blank hard disc. and then dividing it into multiple sectors.

After low level formatting makes ~~the disc~~ it possible to store

H.

data is high level partitioning.

3+3

6.

4.

LAN - Local area network. Group of computers which belongs to the same organization, small geographical area using a network and often use same technology

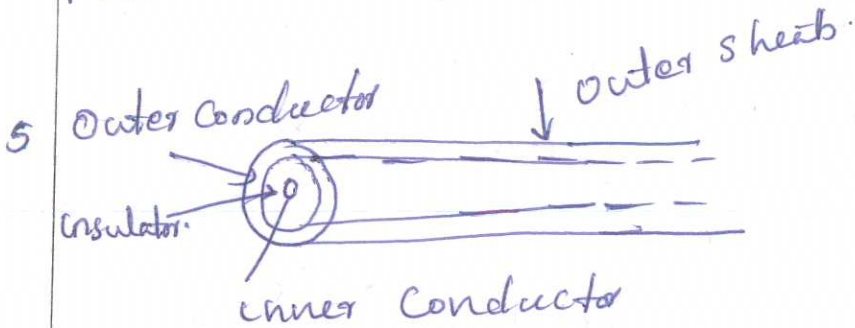
WAN :- wide area network

Connects multiple LANs in large geographical area.

3x2

6.

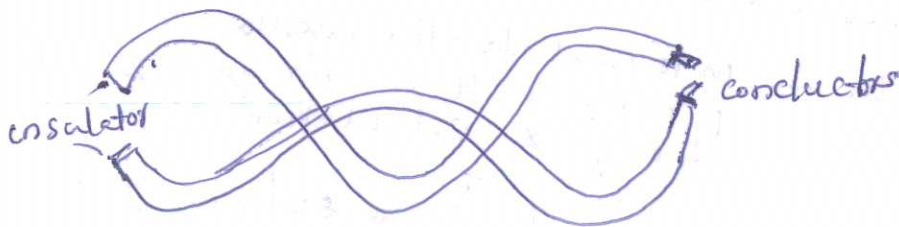
MAN : Metropolitan area network



3

Coaxial cable.

6.



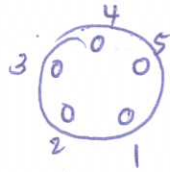
3

Twisted pair cable.

Figure + explanation

11.

6



Pin

- 1 data
- 2. not connected
- 3 Ground
- 4 VCC
- 5 clock
- ~~6~~ Not connected

3+3 6.

Figure + Explanation

7 Cache memory is small memory physically closer to CPU & RAM and is much faster. It is designed for quick access by the processor.

These are Level 1 cache and level 2 cache

L1 cache - internal to the processor. It is for quick storage & calculation.

L2 cache - External cache external to the processor.

2

2

2

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PART C.

UNIT I

III (b)

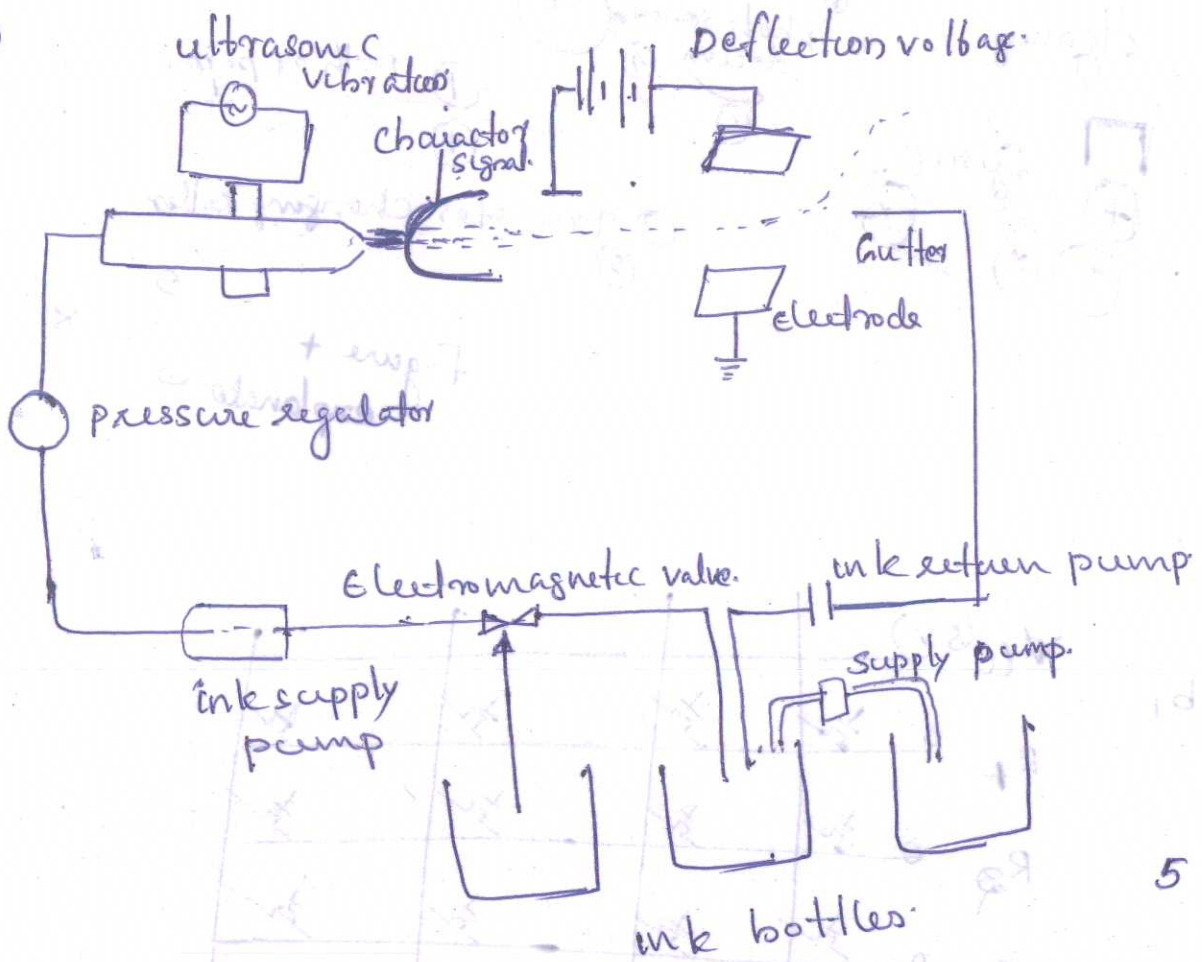


figure + explanation. 2

7.

14

a,

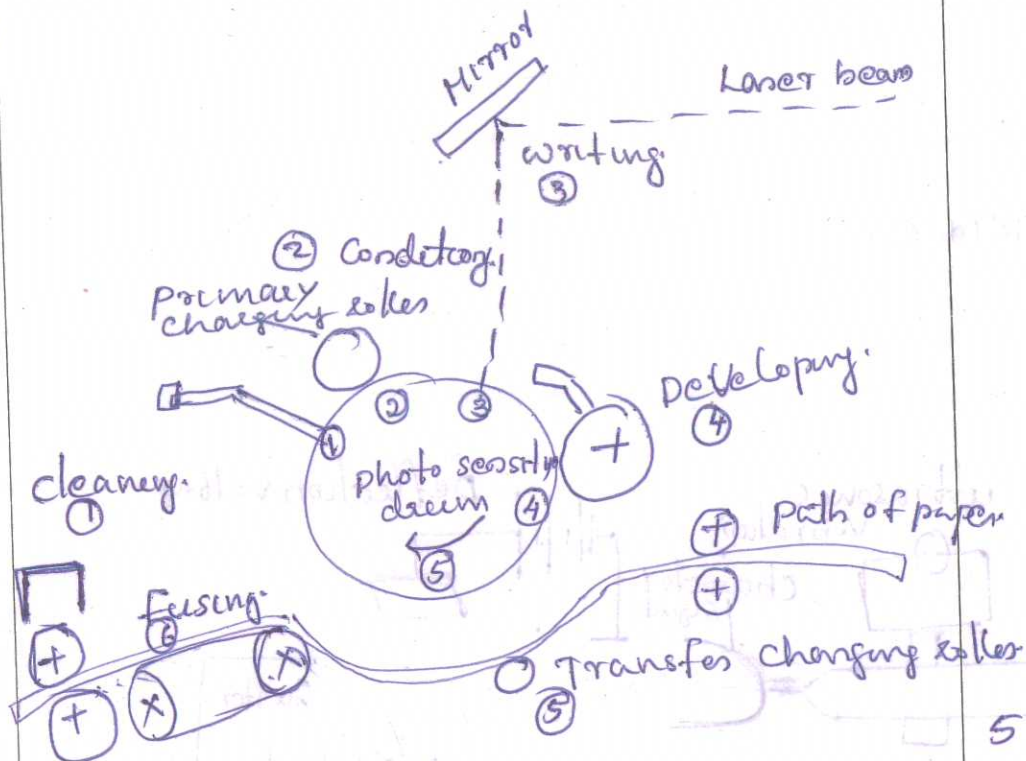


Figure +
explanato

5

8

3

b,

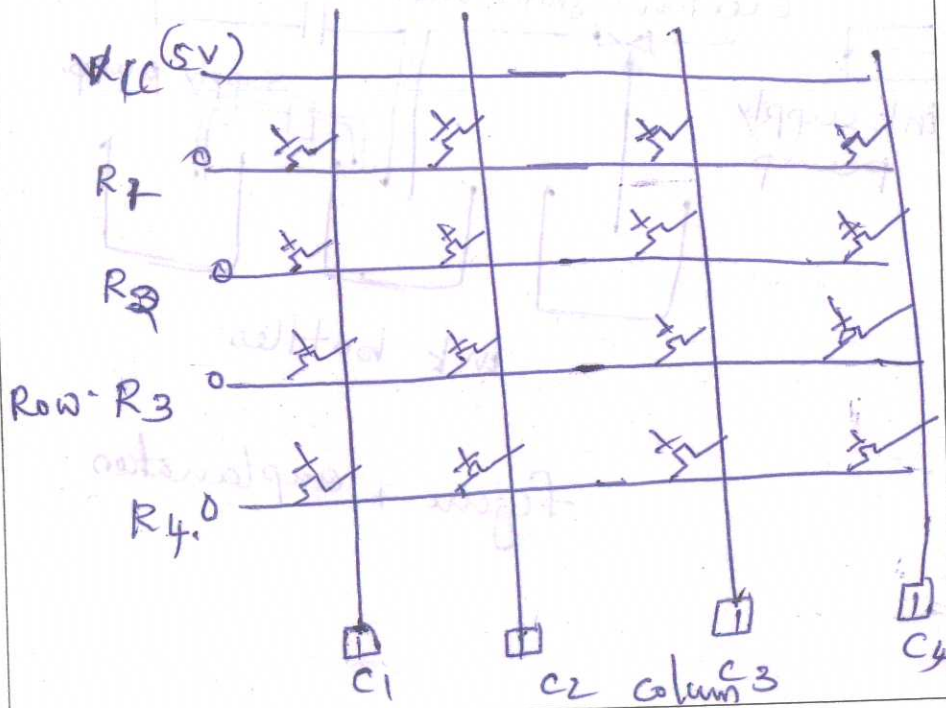


Figure +
explan

4+

7

✓
a Chipset is a collection of chips or circuit that perform interface & peripheral functions for the processor. Two major groups
North bridge, & south bridge.

North bridge: It is responsible for AGP Communications, processor to memory

South bridge It provide support to the onboard peripherals (PS/2, IDE etc).

CMOS: - It provides power to the CMOS hold the CMOS system settings when the computer is off. (9)

BIOS: - It is stored in ROM chip.

(b) RAM types: - DRAM, SDRAM, RDRAM etc
explain any 3. 3x2 G

UNIT III

VII (a) • keep synthetic material away from electronic equipment.

• For cleaning PCB use the spray labelled as non static forming

• When trouble shooting wear plastic covered shoes

• stop

use static floor mats

• write any 5

(5x1 = 5)

VI (a) Sound card

Graphic card

Network interface card

MODEM etc.

Any four

4x4

b) ROM - PROM, EPROM, EEPROM, etc.

explain 7-

VIII

(a) File systems

~~FAT 8, FAT 16, FAT 32,~~

Explain NTFS & HPFS File system.

NTFS - is new technology file system ~~use~~ the windows operating

uses for storing and retrieving files on a hard disc. 4.5

HPF is High performance file system

4.5)

b) Causes of ESD

Human contact with sensitive devices
Troubleshoot without using of wrist
strap.

placement of synthetic material near
electronic equipment.

Rapid movement of air near electronic
equipment.

(1.5 x 4 = 6)

MODULE. IV

IX
(a)

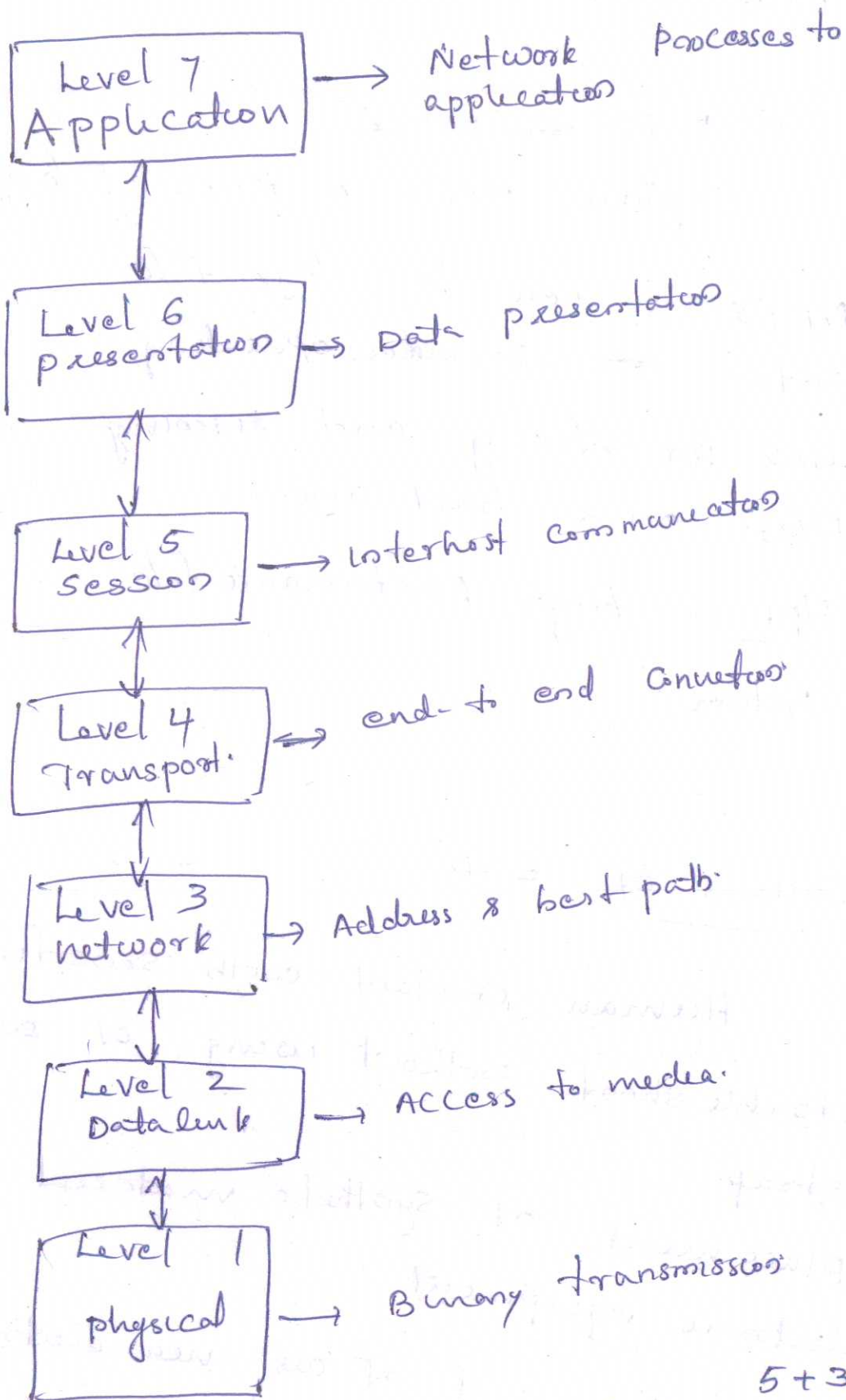
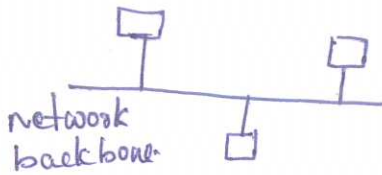


Figure + explanation.

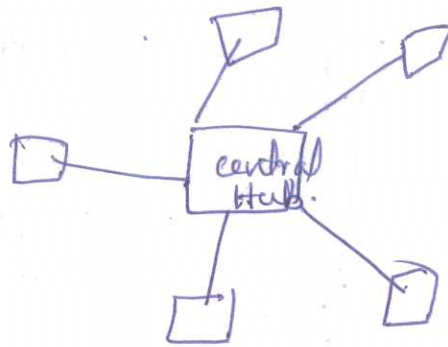
5+3

b) Explain Mesh, Star, Ring, Hybrid, Bus, etc.
Tree etc.

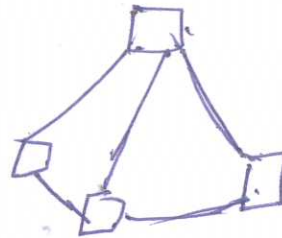
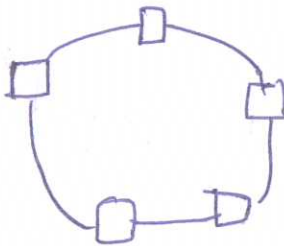
Bus



Star

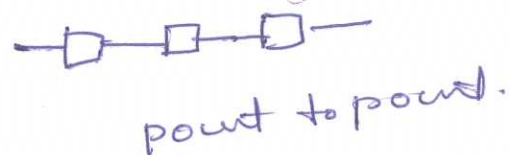
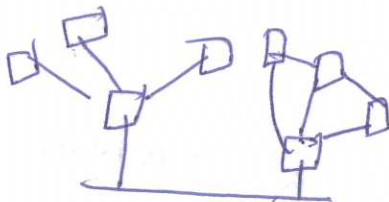


Ring



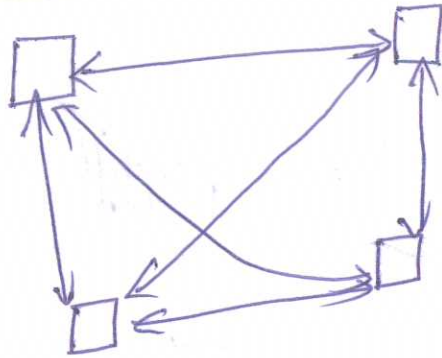
any four. (7)

Tree



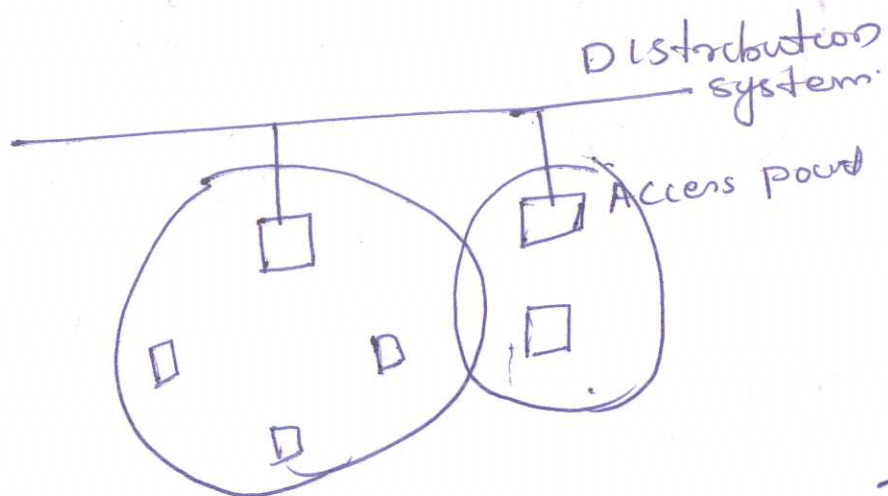
X
(a) WLAN architecture

Ad hoc mode



3

Infrastructure mode



9

3

Explanation,

3

b) www - world wide web is a system
interlinked hypertext documents accessed
via the internet. 2

WAP - is wireless application protocol
technical ~~application~~ standard for accessing 2
information over a mobile wireless network.

WiFi - is the facility allowing computers
Smart Phones or other devices connect to
the internet

6

2

