- 1. Ardino uno an Embedded system.
- 2. ping to control sorvos--co pum origital pin.
- 3. operating voltage of Arduno is.
- 4. which of the following Mashvillers Present in modino and?
- 5. Interface Ardino una win a computer.

 COUSB part.

Part-B.

5. control LED oblining on and off using Python.

— we use a pin 13 a which is a default

LED.

barra mage;

import sorial, time.
Ser = serial ('wm 4', 9800, 4me and).

Ser. Use () H')

Ser. write (H')

Fime. Sleep (1)

Fime. Sleep (1)

Fime. Sleep (1)

Fime. Sleep (1)

Ser. write (H)

Fime. Sleep (1).

comy is social port.

- workiguration data.

- Pt contain the configuration data of the delice Ex: where is device placed, MAC no etc.

maintein une state of une device. - State data. Ex: temporature, pin statu etc.

3

- RPC.

- Renote Procedure call to communicate with

Data Exchange between NETWA Crient and the servers.

- net was crient will be jurning in 101 perce where an server will be running in socia willows. It specifies he poward of communication

- 2. Advantages at pesison methodology in 507 system.
 - reduces complexity.
 - time for design, tenting is reduced.
 - interoperability between 107 perice and Total collectors (Sorvices) improved.
- 3. Baric building blocks of an 10% Dovice:

1. sensors - most import post of un jui devid. Ot server lemporature, image, moisture eter and collects it.

2. Processors - Ry processer me wheeled (sensed date, convert into pigital signal, process it, it it is usekess and leep only useful information.

3. Nateways - It contain he intornation of he Somers it has to send the wheeted data. It knows the

PAROSOI W Send dates _ which is the critical loger

which processes all wheeled data, and made meaningful overvation about it.

Arduino uno. donthern of stower composed 1: Contes their hidden uso to provino ono. no exhaut opening the teacher with an inbutt Opposing system & (Linux): 30 GPIO PINS 3. & parks of copio pin. RAM IS LOUS. 4. Her more PAM. Less coverful. to made emprelation