

## Assignment A2

Q.1) What is Raspberry Pi?

- Raspberry Pi is a low cost credit card sized computer that chips/plugs into a computer monitor that plugs to TV.
- It is capable, versatile & compact.
  - It is most popular single board computer.
  - It has ability to interact with outside world.
  - Also supports army of peripherals, USB Devices etc

Q.2) How is the processing of RPi 3 different from its predecessors.

Parameters.	Raspberry Pi	Raspberry Pi 2	Raspberry Pi 3
CPU Speed	700 MHz Single Core	900 MHz Quad Core	1200 MHz Quad Core
RAM	512 MB 256 MB	1 GB	1 GB
Storage	SDHC Slot. Micro SDMC Mode AT & BT	Micro SDHC Slot	Micro SDHC Slot
Wifi	<del>NO</del>	NO	802.11 & 4.1

Q.3) Which OS can run on a Pi?

- The OS that can run on Raspberry Pi are:
- i) ARM based Linux OS.

ii) Raspberry Pi Media Center.

iii) RISC OS Pi

iv) Plan 9.

v) Retro gaming suits:

a) Retro Pi

b) Recal Box.

vi) Free BSD.

vii) Chromium OS.

viii) Windows 10 IoT Core.

ix) Android

x) AROS.

Q.4) Explain process of OS installation on Raspberry Pi:

→ steps involved are:

i) Click on NOOBS, then click on Download ZIP button & select a folder to save it.

ii) Extract file from ZIP.

iii) Format your SD card.

iv) Insert your SD card into your Computer & make a note of drive allocated to it.

v) In SD format, select the file drive letter for your SD card format.

vi) Once your SD card is formatted, drag all the files in the extracted NOOBS.

vii) The necessary files will be transferred to your SD card.

viii) When this process has finished, safely remove SD card & insert it into your Raspberry Pi.