OS-ASSIGNMENT OI

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ROLL NO: 20K-0183 SECTION: B

Question 01

- Smart TV, automorbic washing machine
- Personal Computers, Severs ck
- ii- infolainment pavel in cous

QUESTZON 02

- i) Smart TV: Properrelay OS
- ii) PC: Windows/Mac Servers: Linux
- Inbofairent Parel: Android my Android Aut.
 108 Using Apple can play

QUESTION 03

- On ARM architecture.
- PC: PCs use a CPU (Central Processing Unit) whith is capable of performing a variety of compacting lasts.

Servers: Servers are generally hand

multi-core epus are used felform computational facks in infotainment.

QUESTION 04

- i) Smart 7V via remote/infrared signals Automatic Washing Machine booch panel
- ii) PC: via GUZ/forch panel/command line Servers: via comand line
- iii) Infoteriorent Panel: via bouch panel.

QUESTION OB:

- i) At home: You can set a fiver on TV so that it automatically streets itself off at a specified fine
- fetch data from millions of reords.

 Using task scheduler, there queries can be van at a specified time each day.

QUESTION DE

oi) GPS:

The cellphone interacts with the gestocation API to fetch different kind of clata from Graps servey and display it on the nobile screen so that the driver can be curre of his whereabouts.

Dash board Marifors

If interacts with various

parts of the car and displays
information about critical parts of

the vehicle to the driver.

QUESTION OT

i) Anduino V/S Raspberry Pi

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other hardware	the bound itself	616
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but can un orly a single	15 Raphery A SBC con	
lack a pro-compiled	serborn multiple foules	
fask & pre-compiled	simultaneously due to its	
instructions.	pocessor & Liver based Co.	

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ii) 103 v/s Andword

106	Arolioid
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2) Primary action button is	2) Privaly action buts
the top our button on the	is the blocking action
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System Der	relapment Languages;
a) Android Apps	oi) iOsapps are
are developed in Java	usually developed
and Kollin	asing smift.
A.6	

APIS:

oi) Android Some of
Android APIs used in
previous neusions of
Archoid are Oreo, Froyo,
Eclair & ginger bred.
most of the instructions
are Witten in Jan &
Objective-C

oi) The iphae API
uses Obj-C that
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for interact with the
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iii) emulation V/s simulation

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02) Emulation is used for	07.6.	
A 0 - 1 0	32) Simulation is used	
Android devices since	while developing is	
if is easy to	app.	
emulators forios	A. A.	
	4	
apps.	1 con 19 con at a contain	

QUESTION 09:

Application cannot access the hardware directly to oclar to active illinary perform certain fasks Applications well on Operating System to get the job done using various APIS.

QUEST20N 10:

Popie: TRAFFIC MANAGEMENT

Architechue:

The backend of the fraffix system will run of linux-based series where beed received from various cameras installed throughout the city will be stored.

Communication Needs:

The system will rely on a number of sub-systems to bunchion properly. For example, a secure data delivery system will need to be doplayed to send carrers feed to the Traffic authority HDs, various Mt woolds can be applied to get make various decluctions from the recorded toologis.