	Naru - Arvod Dhopavkar Class - TEII
	Roll No - 33304
1	- Wig Contradition
÷	CNT VT-2
Q-1)	Explain BSS and ESS in 802-11
	B33 (Basic Service Let):
1,	1. As pen IF55 802-11 , B33 has been defined as the
1/4	building block of winders LAN.
	2. It consides of stationary and noving windows stations and
	a sertial black station which is ralled as the Access Point (AP)
	2 3. The BSS without AP cannot send data to another BSS. So
	no exchange of data can take place outside that BSS;
te	hence it is known as stand alone network on ad-hoc network
	However all stations within the B33 can still exchange data.
1	and the share it was in high
	ESS (Extended Service Set);
	1. An FSS consists of several BSSs with APs, The BSS in
	this system are connected to each other via a distribution
(6)	system on a wired LAN.
	2. The 53s consists of two types of stations -
	i) Mobile station which noves and changes location.
	(ii) Stationary on non moving stations
(k·2)	Explain the basic architedure of WLAVI and discuss various components in it.
	The WLAN consists of two basic blocks ->
// // // // // // // // // // // // //	1. B33: A standalone network with an access point
	2. ESS: An extended set which coveres several BSS & and
	allows them to communicate to one another.
	Contract to the contract of th
T.	There are 2 types of WIANS WIANS -
Y	1. Hireless LAN on defined by IFFF 802-11 Standard also
Jan. A	known as wireless ethernet.
2 1 to	2- Personal Windless LAN on bluetooth which is also known as
	personal area retwork on PAN.
	La a ed , as it is the trade man and its
	In order to get rid of the Wring associated with the



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	interconnections of PCS in LANS, researchers have tried to ruse madio waves on infrared light as a replacement
	The components of TEEE 802.11 >  1. Stations (STA): Stations comprise of all devices and equipments that are connected to wireless LAN. A station can be of 2 types -
(4 to 2)	(i) Client (WAP)
	2- B33: It is a group of stations communicating at physical layer level. BSS can be of two categories depending on the node of aperation
	Distribution Extended
	Survice Sit (553)
	STA STA
	STA
20)	
Aws	Explain the visus in designing a routing protocol for Ad-Hoe wineless network.  The Major visus are as follows >
<i>j</i> · · · · <i>j</i>	- Mobility of nodes: Due to novement of nodes, networks topology becomes highly dynamic in ad-hoc networks.
2-	Ervier prime channel state: Ad-hoc retworks rust be able to search path with rin. cogestion. For ad-hoc

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	networks a collision of control and data parkets takes
	place. This problem comes under hidden terminal problem
	the standard of the standard o
N. 19 1	3. fesource constraints:
	Brocessing power and botterey life are two nain and
	limited resources in an ad-hoc network.
a 1	4. Band width constraints:
Ü	limited barrhordth townsfer speeds reduce the teransfer
	capabilities. It overtes limitations on nontes used for
	transfer.
	Mile Borrers with attempt was the second
	5. Hidden Tenninal Broblen;
	If a station is transmitting to another station; and som
	other station is already transmitting on the same chann
A maria	it is torred as hidden torrinal problem
Tub in	when the make of many who is the
Q-4)	Frolain ADDV and DSDV in detail.
GrA	Ann a Adher Mr-demand Bistance Vestor
13112	totaless an derrand northern protocol. The
N. Sala	La suite discovering and
	The performance of the provider
	legening nonting information in each two
	tabau horod on no horos
	to the final destination.
4	Account of the property of the second
ha at a la	
	and a street of the street of
	adhor retworks.
0	i) It was the Bellman Ford algorithme
	ii) It was the Bellman tord algorithms  iii) With BSBV early nouting table will contain all available
1 1 .	destinations with associated review traffic by destination hope metric and a sequence no originaled by destination hope metric and a sequence no originaled by destination hope metric
pt.	metric and a sequence no originated by nodes.  1) Tables are updated per topology per exchange btw nodes.
	N) IVNNE V

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0.F)	Explain the issues and challenges in IOT.	
Ams	The insues faced in TOT are as follows >	
	1. Standards and Interoperability:	
	bevices from different nanufactures do not use the same	
Los .	standards, hence interesperability becomes a problem.	
	s tagget to the first than the forest Allinia	
	2. Radio spectrure:	
	Langer radio spectrum is negimed due to articipated of	401
	in the no. of TOT devices.	
	of home returns on mindred stones of militaries	
	3. Servity;	
	There are several security rides concerned with IOT.	
а	Unauthorized access in several cases.	
rough 1	The miles without to without in with a it	
Ano Ca	4. Brivacy and data protection:	
	TOT consumer devices always collect personal and private	
	data. This data may be stolen which leads to d	lata
	breaches. But he wast have been with a large	
	motor control household milkly control	
, 91°.	5- Mobility Support 3	
1.0	In the TOT scenario, as there is a lack of	6_
11 1.	In the IOT scenarios, as there is a lack of mobility support, scalability and adaptiblity to	
g kon ny	heterogeneous techniques represent critical problem.	
	- the contract with the maintaining	
<b>A-b</b> )	Explain the architecture of SDN.	
Ans	Software Befined Networking is an approach to	
	building computer networks that specifies and abstracts	
	elements of these systems. The physical separation of	
	the network control plane from the Conwarding plan	ne.
n a ri	is directly programable.	
1 de	To one of the second se	
for Th	The SAN architecture specifies that the network architecture	re
7	infrastructure is forically controlled by a central	
	entity responsible for ranagement and policy enforcement	<u>,                                     </u>
		-

33304 = mycompanion = However it should be made clean that logically centralized control does not necessarily also imply physical antralization One to centralizing state in control layer SON enables networks to configure, secure and manage retwork resources through dynamic and SAN programs. Application layer Network Application Northbound Northbound API Control Payer (Control plane Network services software Control data plane interface layer (Data plane) Inferastructure Network device Network device