Important Instructions:

1) Open this MS-Word document and start writing answers below each respective question given on page 2.
2) Answers the question in the same sequence in which they appear.
3) Provide to the point and concrete answers.
4) First read the questions and understand what is required of you before writing the answer.
5) Attempt the paper yourself and do not copy from your friends or the Internet. Students with exactly similar answers or copy paste from the Internet will not get any marks for their assignment.
6) You can contact me for help if you have any doubt in the above instructions or the assignment questions.
7) All questions must be attempted.
8) Do not forget to write your name, university ID, class and section information.
9) Rename you answer file with your university ID# before uploading to SIC.
10) When you are finished with writing your answers and are ready to submit your answer, convert it to PDF (no MS Word) and upload it to SIC unzipped, before the deadline mentioned on SIC.
11) Do not make any changes to the format provided.
12) Failure in following the above instructions might result in deduction of marks.

Sessional Assignment, Course: - Mobile Computing

Deadline: - Mentioned on SIC   **Marks: - 20**

Program: - BS (CS), BS-SE   **Dated: 11 April 2020**

Related Course: Lecture 7 and 8.

___

Student Name: M Mehran Khan   Student ID#:12934

Class and Section: A

___

Q1: In what aspects is an Adhoc network different from infrastructure networks? (3)

Answer:-
Infrastructure Networks
Those devices on the network that are allow to connect a wireless devices to connect through wired network using Wi-Fi through a single access point are known as infrastructure networks.

Ad-Hoc Network
Ad-hoc networks are those which are decentralized which doesn't rely on the preexisting routers switches in the wired network

 Q2: What is the difference between reactive and proactive routing protocols in MANETS?
(3)
Answer:-
Proactive routing protocols
Every node maintains routing table which have the information of network topology there routing table updating periodically when they changes there network topology the protocols
Have different types of routing table from protocol to protocol.

Reactive Routing Protocol
In the reactive routing protocol a route is searched when it needed it suggest MANETs such as dynamic source routing protocol it temporarily ordered routing algorithms.

Q3: Differentiate between regular and MPR flooding? **(2)**
Answer:-
Regular flooding
In a network flooding is the forwarding by a router of a packet from any node to another node attached to the router except the node from which the packet arrived.
MPR flooding
In which the multipoint relays minimize the flooding of broadcast packets in the network by reducing duplicate retransmission in the same religion.

Q4: On which path is the route reply message sent in DSR? **(3)**
Answer:-
DSR use the existing routes to send reply to the source.

Q5: What is source routing? **(2)**
Answer:-
Source routing is known as the path addressing which allows to the sender to send its packet partially or completely specify the route the packet takes through the network.

Q6: If AODV does not store route information in the packet then how does the routing works? **(4)**
Answer:-
If AODV does not store the route packets each forwarded remembers reverse path to Transmitter target replies with RREP travels along with the path.

Q7. What are the functions of sequence numbers in AODV? **(3)**
Answer:-
The function of sequence numbers is to avoid old/broken routes in the AODV.