

Total number of printed pages = 2

19/2nd Sem /PCSE 201



2022

ADVANCED COMPUTER NETWORK

Full Marks – 100

Time – Three hours

The figures in the margin indicate full marks
for the questions.

Answer any *five* questions.

1. (a) Explain the process of acquiring IP addresses
in absence of static IP settings. 10
- (b) Explain the concept of getting IP addresses
from MAC addresses. 10
2. (a) Explain the working principle of RIP with an
example. 10
- (b) Discuss the OSPF protocol in detail with an
example. 10
3. (a) Explain how a host process on a network gets
the ip address for a url. 10

[Turn over

- (b) Explain how TCP is different from UDP with respect to reliability. 10
4. (a) Explain the major drawback of stop and wait protocol and how to address them. 10
- (b) Explain the working principle of NAPSTER. 10
5. (a) Define adhoc network and list its various applications. 10
- (b) Explain how DSR protocol works with an example. 10
6. (a) Explain how TCP deals with congestion with an example. 10
- (b) Define SDN and explain how it works. 10
7. (a) Discuss the concept of Mobile IP in detail. 10
- (b) Define what is handover and write about different types of handover. 10

