B.Tech. (Sem. - 6th)
ADVANCED INTERNET TECHNOLOGIES
SUBJECT CODE : IT - 302
Paper ID : [A0519]

[Note : Please fill subject code and paper ID on OMR]

Time : 03 Hours

Maximum Marks : 60

Instruction to Candidates:

1) Section - A is **Compulsory**.

2) Attempt any **Four** questions from Section - B.

3) Attempt any **Two** questions from Section - C.

Section - A

Q1) (10 × 2 = 20)

a) Which protocol is used for retrieving mails?

b) What is CSMA/CD?

c) What is a MAC address?

d) Define DNS.

e) Define Telnet.

f) What do you mean by ARP?

g) What do you mean by SMTP?

h) What do you mean by Dynamic Routing?

i) Define Remote Login.

j) What do you mean by mask request and reply?

Section - B

(4 × 5 = 20)

Q2) Explain ARP with packet format.

Q3) Explain TCP and its services.

Q4) Explain RARP with packet format.

Q5) Explain DNS with its message format.

Q6) Explain File Transfer Protocol.

Section - C

(2 × 10 = 20)

Q7) Explain ICMP briefly.

Q8) Explain UDP. UDP header and UDP checksum.

Q9) Explain IP addressing. IP routing and special case IP addresses.

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