

Roll No.

Total No. of Questions : 11] [Total No. of Printed Pages : 4

EGS-232

B.E. 7th Semester (CGPA) CSE (Zero Sem.)

Examination - 2018

ELECTIVE-I (1. Web Technology)

Paper-CS-704

Time : 3 Hours]

[Maximum Marks : 60

Note : *Total No. of questions are 11. Question No. 1 is compulsory. Attempt one question (including all parts) from each unit. Assume missing data, if any.*

1. Explain the following questions in brief: $5 \times 2 = 10$
 - (a) Define Interior and Exterior routing.
 - (b) What is Multicasting?
 - (c) What is NFS?
 - (d) What is IP encapsulation?
 - (e) What is ICMP message format?

Unit-I

2. (a) What is the purpose of fragment offset and time to live field in IP datagram? 5

EGS-232

(1)

Turn Over

(b) What are the advantages of IPv6 over IPv4? 5

or

3. (a) Describe a way to do reassembly of IP fragments at the destination. 5

(b) What is the difference between classful addressing and classless addressing? How classless addressing results in decrease in the table size? 5

Unit-II

4. (a) What is MTU? How do IP routers handle the problem of networks with heterogeneous MTUs? 5

(b) Explain the operation of BOOTP when client and server on the same network. 5

or

5. (a) Describe IP routing and IP addressing with suitable example. 5

(b) Explain DHCP packet format in detail. 5

Unit-III

6. (a) What is the Isolated Routing? Explain one isolated routing in detail. 5

EGS-232

(2)

- (b) What are the header fields in TCP segment header that are required for flow control and congestion control? Explain how these fields are used for flow control and congestion control? 5

or

7. (a) How ICMP is used to trace a route? Explain by taking example. 5
(b) Write some of the uses of UDP protocol. 5

Unit-IV

8. (a) Show the structure of an HTML page with some basic tags. Write HTML code for embedding a table in a web page. 5
(b) Explain how the DNS Domain Name Space is organized. 5

or

9. (a) What is a Java bean? What are the necessary criteria of bean class? How many types of properties are in Java bean? Discuss about them. 5
(b) What is WWW? What is web page? What is hyper text? What is hyper link? How browser is used to access web pages? 5

Unit-V

10. (a) Discuss E-mail architecture in brief along with its main component. 5
(b) Explain MIME in detail. 5
- or
11. (a) Explain with a neat diagram, the SNMP communication architecture. 5
(b) Explain FTP in detail. 5