



Reg. No. : .....

Name : .....

**Eighth Semester B.Tech. Degree Examination, October 2014**  
**Computer Science and Engineering**  
**08.806 (4) : INTERNET TECHNOLOGY (Elective – IV)**

Time : 3 Hours

Max. Marks : 100

**PART – A**

Answer **all** questions.

1. What is the use of MAC address in connecting a computer to internet ?
2. What is an IP ? Name the various IP that is used by the user applications to interact with other computers.
3. What is electronic wallets ?
4. Write short note on Internet utility program.
5. Explain stored value cards.
6. Write notes on the various helper applications.
7. Explain the role of proxy servers in http.
8. How can the privacy of an organization be guaranteed without using leased circuits ?
9. Why do we need two file transfer protocols ?
10. Explain the DNS message format. **(4×10=40 Marks)**



## PART – B

Answer **one full** question from **each** Module.

**Module – I**

11. a) Explain how to use arrays in JavaScript. Also mention the JavaScript types. Illustrate how an image can be embedded in a webpage using JavaScript.
- b) Explain with the help of a diagram the process of web crawling.

(10×2=20 Marks)

OR

12. a) What is XML ? Discuss the structure of XML. Define the role of DTD in XML.
- b) Write notes on PHP functions and forms.

(10×2=20 Marks)

**Module – II**

13. a) Explain the functions of electronic commerce software.
- b) Briefly explain electronic cash.

(10×2=20 Marks)

OR

14. What do you mean by web server ? With the help of a diagram explain how web servers works. Also provide notes on web server-browser interactions.

20

**Module – III**

15. a) Explain in detail video over IP.
- b) What is the need of DHCP ? Explain.

(10×2=20 Marks)

OR

16. a) Explain Pointer queries and inverse mapping in the context of DNS.
- b) Explain the significance of NAT. Also explain about multi address and port-mapped NAT.

(10×2=20 Marks)