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Reg. No. :

Name :

**Eighth Semester B.Tech. Degree Examination, November 2015
(2008 Scheme)**

08.806 (4) : INTERNET TECHNOLOGY (Elective – IV) (R)

Time : 3 Hours

Marks : 100

PART – A



Answer **all** questions. **Each** question carries **4** marks.

1. Can an arbitrary web server function as a proxy server ? Why ?
2. Write a Java Script which obtains information about the browser and the OS running in the host machine.
3. Give two examples where TELNET uses TCP's urgent data mechanism. Why is this useful ?
4. What is Secure Electronic Transaction (SET) ?
5. What are server-side and client-side scripts ? Give examples of each.
6. What happens in FTP if the TCP connection for data transfer breaks, but the control connection does not ?
7. What is the difference between GET and POST methods in HTTP ?
8. What are the potential problems when 3 address domains are connected by two NAT boxes ?
9. What are the basic components of an e-commerce software ?
10. Under what circumstances will a VPN transfer substantially more packets than conventional IP when sending the same data over the internet. **(10×4=40 Marks)**

P.T.O.



PART – B

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

Module – I

11. a) What are the advantages in using PHP for developing web pages ? Explain in detail. 10
- b) How is an XML document parsed using DOM ? Explain. 10

OR

12. Create an HTML web page that does the following :
- a) Embed a map within the web page.
- b) Fix some hot spots in the embedded map.
- c) Show related information when hot spots are clicked. 20

Module – II

13. a) Explain the terms i) electronic cash and ii) electronic wallet. 10
- b) How does a search engine ensure that the most relevant pages are retrieved ? Explain. 10

OR

14. a) Explain how a plug-in is developed and integrated with the browser. 10
- b) Write software and hardware specifications for a web server machine. Explain in detail. 10

Module – III

15. a) A DHCP client is required to handle at least 312 octets of options (as per standard). Why is 312 chosen ? 8
- b) Explain any one protocol for transferring video over IP. 12

OR

16. a) Write any 9 DNS resource record types. Explain each in detail. 10
- b) Explain the role of RPC and XDR in NFS. 10