(Pages : 2)

1868

Reg. No. : ....

Name : ....

Fifth Semester MCA Degree Examination, April 2009
(2006 Scheme)
06.502 : INTERNET TECHNOLOGY

Time : 3 Hours

Max. Marks : 100

PART – A

Answer **all** questions.

1. What is the general format of a HTTP request message ?

2. Compare SMTP and HTTP.

3. What do you mean by management information base ?

4. Explain the terms
   i) Web Server
   ii) Web Caching

5. Explain the general format of IPSec authentication header.

6. Write notes on computer virus.

7. Explain the reference monitor concept for trusted systems.

8. What do you mean by snooping TCP ?

9. Explain dynamic host control protocol.

10. Differentiate between wired network and adhoc wireless network. **(10×4=40 Marks)**

P.T.O.

1868

PART – B

Answer **any two** questions from each Module.

Module – I

11. What are the different services provided by transport layer of TCP/IP protocol stack ?

12. Write a client-server program that can communicate with each other using sockets.

13. What is an integrated service ? How it guarantees quality of service ? **(10×2=20 Marks)**

Module – II

14. Explain how SSL provides message integrity.

15. What do you mean by IPSec ? How it secures the network layer ?

16. Explain the different key management schemes in encapsulating security payload.

(10×2=20 Marks)

Module – III

17. Explain how dynamic source routing is done by mobile network layer.

18. Explain the interfaces and components of WAP architecture.

19. Briefly describe wireless markup language. **(10×2=20 Marks)**

(20×3= 60 Marks)

———————————