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Total Pages : 2

2/11/23  
301503

December-2023

BBA (GEN) Vth Semester

Computer Networking and Internet (BBA/GEN/503)

Time : 3 Hours]

[Max. Marks : 75

Instructions :

1. It is compulsory to answer all the questions (1.5 marks each) of Part-A in short.
2. Answer any four questions from Part-B in detail.
3. Different sub-parts of a question are to be attempted adjacent to each other.

**PART-A**

1. (a) What is computer network? (1.5)  
(b) Explain the fundamentals of internet security design? (1.5)  
(c) What are URLs? (1.5)  
(d) What are the areas in which the intranet can be used? (1.5)  
(e) State difference between LAN, MAN and WAN. (1.5)  
(f) What services are provided by the ISPs? (1.5)  
(g) Discuss the concept of audio on internet. (1.5)

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- (h) What is flow control in networking? (1.5)
- (i) Explain dial-up internet. (1.5)
- (j) List any three popular search engines famous among internet users. (1.5)

### PART-B

- 2. (a) What is network topology? Explain different types of topologies with advantages and disadvantages. (10)
- (b) Write a short note on wireless networks. (5)
- 3. (a) Explain the role of public and private keys in cryptography. (5)
- (b) What is TCP/IP model? How it is differ from the ISO-OSI reference model? (10)
- 4. Describe the HTTP protocol and its features with an example. (15)
- 5. (a) Explain how chatting works in Internet relay in Usenet newsgroup. (5)
- (b) Discuss working of search engine in detail. (10)
- 6. (a) What are newsgroups? How do they help in sharing knowledge and information? (10)
- (b) Explain the concept of Firewall and its types. (5)
- 7. What are analog and digital signal? Explain analog and digital transmission. How digital transmission is superior to the analog data transmission? (15)