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Roll No. ....

Total No. of Pages : 2

BT-3/J05

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INTERNET FUNDAMENTALS

(Common with CO)

(According to Syllabus Dec. 2004)

Paper : I, Option No. 1

Time : Three Hours]

[Maximum Marks : 100

Note :— Attempt any FIVE questions.

1. (a) Compare the terms Intranet and Extranet. 6
- (b) Define the Internet and what is the history behind internetworking ? 7
- (c) What are the different types of modes available for connecting to the internet and who provide these connections ? 7
2. (a) What is meant by the term MODEM ? Explain them with their speed and time continuum. 5
- (b) Explain the IP addressing scheme used in internetworking and also explain how these addresses are assigned in practice. 15
3. Describe in detail the layered architecture of TCP/IP and compare it with the OSI reference Model. 20
4. Write in brief about :
  - (a) Web Browsers
  - (b) Coast to coast surfing ?
  - (c) FTP
  - (d) TELNET. 5 each
5. (a) What is meant by the term e-mail ? Explain E-mail message format, message components and message composition. 10

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(Contd.)

- (b) How e-mail system works ? Illustrate with diagram. 10
6. Spell out the following acronyms and include the brief description of each :
- (1) PICO
  - (2) DHTML
  - (3) MIME Types
  - (4) SMTP. 20
7. (a) What are the different encryption schemes used for making the system more secure ? 10
- (b) Explain Digital Signatures. 10
8. (a) What are servers ? How we start and stop Apache web server ? Explain the certain directives used for Apache configuration. 10
- (b) Explain PWS. 10