

Total No. of Questions : 8] [Total No. of Printed Pages : 3

RGPVONLINE.COM

MCA-503(O)

M. C. A. (Fifth Semester)

EXAMINATION, Nov-Dec, 2007

(Old Course)

INTERNET AND ITS APPLICATIONS

[MCA – 503(O)]

Time : Three Hours

Maximum Marks : 100 ,

Minimum Pass Marks : 40

Note : Attempt any *five* questions. All questions carry equal marks.

1. (a) Why do we divide a grand network into the small networks each connected through the routers ? How many unique hosts can exist in a class C network ? Explain the answer. 10
 - (b) Differentiate between the following :
 - (i) Multi-list emails and News groups 4
 - (ii) Absolute, Relative and Fragment URLs 6
 2. (a) Explain the term "Protocol Tunneling" with the help of an example. 5
 - (b) What are the advantages and disadvantages in TFTP with respect to FTP ? 5
 - (c) Why does a routing algorithm generate a dynamic IP address ? 5
 - (d) What is the main purpose of MIME ? How many different types of MIME are there ? 5
- B. K. O.
3. (a) Define the following terms : 6
 - (i) Telnet client
 - (ii) Telnet session
 - (iii) Terminal emulation
 - (b) Describe the advantages and disadvantages of non-linear search over sequential search. 4
 - (c) What is the main purpose of ARP and RARP ? Explain them in detail. 10
4. (a) What are the various mechanisms to balance the load on a server ? Describe any *one* in detail. 6
 - (b) What are the basic functions of packet filtering and packet inspecting ? 8
 - (c) What are the elements that embed on HTML document ? 6
5. (a) What are the tags and attributes for a table in HTML document ? Describe with the help of an example. 10
 - (b) List the tags with attributes in HTML for the following purpose : 10
 - (i) Redirects to another website
 - (ii) Image to be displayed with text at appropriate position
 - (iii) To take the request from user in order to fill up the form
 - (iv) Description of the document written in HTML
 - (v) Write the text in the form of paragraphs
 - (c) (a) What are the various technologies on which the design of the search engine is based ? Describe any *two* in detail. 10

- (b) What are the variables that an HTTP request provides to the server of a web page ? 5
- (c) What do you mean by cookies ? List out its advantages and disadvantages. 5
- 7. (a) Write short notes on the following : 5 each
 - (i) VRML
 - (ii) Weakness in Internet addressing
- (b) What are the various electronic payment system ? Describe each with its pros and cons. 10
- 8. (a) How do one direct a server to execute codes that embed within SCRIPT tag ? Explain with coding. 6
- (b) Why do we need DHTML features in a page ? Write any *four* features that DHTML supports. 6
- (c) Write down any *five* commands of FTP with their purpose. 8