

Paper 6 : COMPUTER NETWORKING & INTERNET TECHNOLOGY - 2014

Note : All questions are compulsory. Attempt any two parts from each question. All questions carry equal marks.

UNIT - 1

1. (a) What do you mean by protocol, services and interfaces ? Explain network criteria and applications of computer network.
- (b) What do you mean by data transmission ? Explain different types of transmission mode with suitable example.
- (c) What is computer network ? Compare different categories of computer network.

UNIT - 2

2. (a) What do you mean by reference model ? Compare the OSI and TCP/IP reference model.
- (b) What is IP address ? Explain the different classes of IP addressing. <http://www.prsunotes.com>
- (c) What do you understand by ISO ? Write the function of layers of OSI reference model.

UNIT - 3

3. (a) Explain ASK, PSK and FSK of data communication in brief.
- (b) Explain the process of converting analog signal to digital signal.
- (c) Convert binary bits 10110 to digital signals using different encoding scheme.

UNIT - 4

4. (a) Give some important security considerations with CGI programs. Explain any two of them.
- (b) Draw and explain the architecture of Internet, Also define the term 'www'.
- (c) Design a webpage using table, form, Images and frames of HTML, with suitable example.

UNIT - 5

5. (a) How to create a Java applet ? Explain with suitable example.
- (b) Explain with examples of the types of Javascript functions.
- (c) Write short notes on the following :
 - (i) DHTML
 - (ii) Web Server