

Total No. of printed pages = 3

Co-602/I&WT/6th Sem/Comp/2017/M

INTERNET AND WEB TECHNOLOGY

Full Marks – 70

Pass Marks - 28

Time – Three hours

The figures in the margin indicate full marks for the questions.

Answer any five questions.

1. (a) Write the factors for choosing an ISP and list four internet service providers in India. 4+4=8
- (b) Explain VSAT in brief. 3
- (c) Why TCP is called reliable protocol ? 3
2. (a) What are the properties of reliable delivery service ? 4
- (b) Discuss sliding window protocol in brief. 4
- (c) Write the TCP segment format. 6

[Turn over

3. (a) Write about closing TCP connection. 3
- (b) Differentiate between direct and indirect delivery. 3
- (c) What are the benefits of TCP / IP ? 3
- (d) Write UDP in brief. 5
4. (a) What is IP address ? What are the different classes of IP address ? Write the range of each class. 2+8=10
- (b) Write about SMTP. 4
5. (a) List five FTP command and write their uses. 5
- (b) Define Terminal emulation software. 3
- (c) What are the components of IRC ? Explain in brief. 6
6. (a) What are the need for computer security ? 3
- (b) Illustrate the various modes of electronic commerce briefly. 8
- (c) Write about uniform resource location. 3

7. Write short notes on any *four* : $4 \times 3\frac{1}{2} = 14$

(i) ASP

(ii) Search engine

(iii) CGI

(iv) Active X

(v) DNS

(vi) Smart card.