

Total No. of printed pages = 6

Co-602/I&WT/6th Sem/2017/N

INTERNET AND WEB TECHNOLOGY

Full Marks – 70

Time – Three hours

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

PART – A

Mark – 25

Time – One hour

This part consists of 5 questions each of which carries 5 marks equally as shown against the questions. All the questions are compulsory.

1. Choose the appropriate option : $1 \times 5 = 5$

(i) ISP stands for

- (a) Indian Standard Policy
- (b) International Standard Protocol
- (c) Internet Service Provider
- (d) None of the above

[Turn over

(ii) Which of the following statement is true regarding SHA ?

- (a) It is used to transfer files over internet in high speed
- (b) It is used in LAN only
- (c) It is used for data encryption in internet
- (d) It is used for secured data transfer

(iii) The first page of an web site is called

- (a) First page
- (b) Home page
- (c) Design page
- (d) Main page

(iv) There are _____ heading tags in html.

- (a) 5
- (b) 7
- (c) 6
- (d) 3

(v) In ASP the function that returns the current system date is

- (a) `dispdata ()`
- (b) `currentdate ()`
- (c) `systemdate ()`
- (d) `date ()`

2. Write down the fill form of : $1 \times 5 = 5$

(a) TCP/IP

(b) EDI

(c) DNS

(d) S-HTTP

(e) CGI

3. Write down whether the following are true or false : $1 \times 5 = 5$

(a) Operating system has no role in internet.

(b) Connection oriented network communication is more reliable than the connectionless.

(c) Network protocols are softwares.

(d) TCP/IP provides connection oriented network.

(e) HTML can manage dynamic data.

4. Answer the following in a single word/sentence :

$1 \times 5 = 5$

(a) Who initiates the internet as a project work ?

(b) How many layers in OSI model of computer network ?

(c) What is baud rate ?

(d) Which is the most widely used network topology ?

(e) What is dealt in cryptography ?

5. Match Column A with Column B : $1 \times 5 = 5$

Column A	Column B
TCP/IP provides	ASP files
Objects in java	are instances of classes
HTML creates	connection oriented network
IIS server runs	HTML files
Javascripts embedded in	Webpage

PART - B

Mark - 45

Time - Two hours

This part consists of 7(seven) questions each of which carries 9 marks equally as shown against the questions. Out of 7 answering any 5 is compulsory.

1. Attempt any *six* questions : $1\frac{1}{2} \times 6 = 9$

(i) Define DNS.

(ii) What do you mean by IP addressing ?

(iii) Name any two E-commerce websites.

(iv) What is the basic structure of HTML ?

(v) What is search engine ? Give one example of it.

(vi) What is Internet Relay Chat ?

(vii) How TCP Connection is closed ?

(viii) What is VSAT ?

2. Answer the following on any *three* : $3 \times 3 = 9$

(a) Describe the role performed by ISP in networking. Name atleast three Indian ISPs.

(b) Why do we concern about Network Security ?

(c) Differentiate between classful and classless IP addressing schemes.

(d) Differentiate between direct and indirect data delivery system.

(e) Differentiate between TCP and UDP Protocol.

3. (a) Explain subnetting with example. 4

(b) Explain the setting up of IIS Server to run an ASP file. 5

4. What do you mean by E-Commerce ? Describe briefly the different categories of E-Commerce Models. $2+7=9$
5. What do you mean by interoperability ? Write briefly about the popular internet applications and services. $2+7=9$
6. What is the full form of HTML ? What are the disadvantages of HTML ? Create a HTML file to display the coveragepage of a magazine. $2+2+5=9$
7. Write short notes on any *three* : $3 \times 3 = 9$
- (a) Digital Signature
 - (b) Sliding Window Protocol
 - (c) Search Engine
 - (d) Electronic Fund Transfer
 - (e) Firewall.