No. of Printed Pages : 8

Sl. No.

B1.2-R4 : INTERNET TECHNOLOGY AND WEB DESIGN

DU	OURATION : 03 Hours	MAXIMUM MARKS : 100						
	C	OMR Sheet No. :						
Ro	Roll No. : Answe	er Sheet No. :						
Nan	Name of Candidate :; Signature of Candidate :							
	INSTRUCTIONS FOR CA	NDIDATES :						
•	Carefully read the instructions given on Question Paper,	OMR Sheet and A	Inswer S	Sheet.				
•	Question Paper is in English language. Candidate has to	o answer in Englis	h langua	age only				
•	 There are TWO PARTS in this Module/Paper. PART ONE contains FOUR questions and PART TWO contains FIVE questions. 							
•	• PART ONE is Objective type and carries 40 Marks. PART TWO is Subjective type and carries 60 Marks.							
•	• PART ONE is to be answered in the OMR ANSWER SHEET only, supplied with the question paper, as per the instructions contained therein. PART ONE is NOT to be answered in the answer book for PART TWO .							
•	 Maximum time allotted for PART ONE is ONE HOUR. A at the table when the Answer Sheet for PART ONE is return PART ONE earlier than one hour, can collect the answer handing over the Answer Sheet for PART ONE to the Invite 	urned. However, (ver book for PAR	Candida	ites who	comp	lete		
•	 Candidate cannot leave the examination hall/room v and handing over his/her Answer Sheet to the invigil disqualification of Candidate in this Module/Paper. 							
•	• After receiving the instruction to open the booklet and bef should ensure that the Question Booklet is complete in a	C C	equestic	ons, the o	candic	late		

DO NOT OPEN THE QUESTION BOOKLET UNTIL YOU ARE TOLD TO DO SO.

PART ONE (Answer all the questions)			1.4	Which of the following transport layer protocol is used to support electronic mail ? (A) SMTP		
1.	of a one supp	a question below gives a multiple choice nswers. Choose the most appropriate and enter in the "OMR" answer sheet blied with the question paper, following ructions therein. (1x10)		(B) (C) (D)	IP TCP UDP	
1.1	Inter (A) (B) (C) (D)	rnet protocol includes : Ethernet ARCnet TCP/IP MAC	1.5	Spee (A) (B) (C) (D)	ed of internet is measured in GHz Gbps GB dpi	
1.2		em in a computer which translates an ress into an easier name is called : Packet-switching domain system Domain name system Domain Domain	1.6	com (A) (B) (C)	omputer network enables two or more puters to : Increase the speed Share data and hardware resources Increase the work Monitor the software	
1.3	Wha (A) (B) (C) (D)	t is Phishing ? Sending data to hacker Some-one sends legitimate-looking emails to users Search automatically for an item on the internet Checking the spelling of websites	1.7		ocol which assigns IP address to the client hected to the internet is : DHCP IP RPC HTML	
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1.8		rams that are automatically loaded and ated as a part of browser are known as :	2.	Each statement below is either TRUE or FALSE. Choose the most appropriate one and enter your choice in the "OMR" answer sheet supplied with the question paper,
	(A)	Utilities		following instructions therein.
	(B)	Plug-ins		(1x10)
			2.1	.com is representing education domain.
	(C)	Widgets		
	(D)	Add-ons	2.2	HTML is generally use for networking purpose.
1.9		site which is used to search other website ping a keyword is :	2.3	The telnet protocol runs on TCP port 23.
	by ty		2.4	UDP is a connectionless protocol.
	(A)	Social network		I
	(B)	Router	2.5	Layer 7 is the application layer of the OSI model.
	(C)	Search engine		
	(D)	Search page	2.6	Extranet is a web within a web.
			2.7	POP3, IMAP and FTP are all email protocols.
1.10	Web crawler is also known as :			
	(A)	Link directory	2.8	The standard protocol of the Internet is Ethernet.
	(B)	Search optimizer	2.9	To separate the single line and
	(C)	Web spider		tag is used in HTML.
	(D)	Web manager	2.10	There are no collisions in full-duplex mode.
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3. Match words and phrases in column X with the closest related meaningwords(s) / phrase(s) in column Y. Enter your selection in the "OMR" answer sheet supplied with the question paper, following instructions therein.

	x	Ŷ	
3.1	Ordered List in HTML	А.	MAC address
3.2	Length of MAC Address	В.	Demodulation
3.3	A program in HTML can be rendered and read by	C.	32 bits
3.4	Represented in hexadecimal format	D.	ol
3.5	Special formatting tag in HTML	E.	48 bits
3.6	The conversion of analog to digital is called	F.	XML
3.7	Extensible Markup Language	G.	Star
3.8	Program Code freely available	Н.	Bus
3.9	Topology requires a central controller or hub	I.	IP address
3.10	Topology having less security and privacy	J.	Modulation
		K.	<pre></pre>
		L.	Web browser
		М.	HTML

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4. Each statement below has a blank space to fit one of the word(s) or phrase(s) in the list below. Choose the most appropriate option, enter your choice in the "OMR" answer sheet supplied with the question paper, following instructions therein.

(1x10)

А.	UTP	В.	LAN	C.	WAN
D.	Host	Е.	Electronic mail	F.	Modem
G.	Accessibility	н.	ARPANET	I.	IP address
J.	Simple Mail Transfer Protocol	К.	Simple Mode Texting Program	L.	Authentication
М.	Compiled				

4.1 Email stands for _____.

4.2 ______ is the technology that connects the machines and people within a site in a small area.

4.3 The equipment needed to allow home computers to connect to the Internet is called a ______.

4.4 The server on the Internet is also known as a _____.

4.5 The first network that has planted the seeds of Internet was _____.

4.6 A host on the Internet finds another host by its _____.

4.7 Verification of a login name and password is known as_____.

- **4.8** SMTP stands for_____.
- **4.9** JavaScript is a high-level, dynamic and _____ programming language.
- **4.10** The most common twisted-pair cable used in communication are _____.

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		(5+5+5)			
	(c)	Explain the MIME in detail.			
	(b)	What do you understand by Internet Security ? How a Firewall helps in achieving it ?			
7.	(a)	Explain SMTP, FTP and HTTP protocol in detail.			
		(5+5+5)			
	(c)	Define URL. Also, explain the structure of URL.			
	(b)	Differentiate between packet switching and circuit switching.			
6.	(a)	Explain most common internet cybercrimes.			(3x5) - o O o -
				(d)	HTML Frames
		(5+5+5)		(c)	Meta Search Engines
	(c)	Differentiate between applet and application		(b)	POP3
	<i>.</i>	Cryptography.		(a)	Internet Phone
	(b)	What is Cryptography ? Explain the difference between Private Key Cryptography and Public Key	9.		te short note on any three of the owing :
5.	(a)	Define network topology. What are the different types of network topologies ? Discuss about mesh topology in detail.			(8+7)
	,	1		(b)	Explain the LAN and MAN networks with their features and example.
	(Answer any FOUR questions)			different types of firewalls.

8.

PART TWO

(a) What is firewall ? Briefly explain

different types of firewalls.

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