AMIETE - IT (OLD SCHEME)

Student Bounts, com Code: AT15 Subject: INTERNET & WEB TECHNOLOGY **Time: 3 Hours** Max. Marks: 100

DECEMBER 2010

NOTE: There are 9 Questions in all.

- Question 1 is compulsory and carries 20 marks. Answer to Q.1 must be written in the space provided for it in the answer book supplied and nowhere else.
- The answer sheet for the Q.1 will be collected by the invigilator after half an hour of the commencement of the examination.

Q.1	Cl	noose the correct or the best altern	native in the following:	(2×10)
	a.	The information contained in a doreceives a request for the documen	ocument can change whenever a server t is an	
		(A) Active document(C) Static document	(B) Dynamic document(D) None of the above	
	b.	Encryption is handled by:		
		(A) Presentation layer(C) Session layer	(B) Transport layer(D) Data Link layer	
	c.	XML is used to		
		(A) Specify format of the data(C) To display the data	(B) Structure the data(D) A, B and C	
	d.	The transport protocol used by TF	ΓΡ (Trivial File Transfer Protocol) is:	
		(A) FTP (C) TCP	(B) UDP (D) IP	
	e.	HTTP head operation helps in		
		(A) Secure HTTP transfer	(B) Cache management	

- (C) Both A and B
- (D) None
- f. The Environment variable GATEWAY_INTERFACE in CGI script specifies:
 - (A) Domain name of the computer running on server
 - **(B)** The path of URL after server name
 - **(C)** Name of the server
 - **(D)** The version of the CGI software the server is using

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		While using FTP what is wildcard expansion in file names? IP fragments are resembled at final destination only. Why? 'TCP's retransmission scheme is the key to its success'. Explain. How does public key encryption scheme ensure the confidentialing.	Milde	
Q. 6	a.	While using FTP what is wildcard expansion in file names?	13	8
	b.	IP fragments are resembled at final destination only. Why?	(5)	147
	c.	'TCP's retransmission scheme is the key to its success'. Explain.	(5)	
Q.7	a.	How does public key encryption scheme ensure the confidentiali Explain.	ty? (8)	
	b.	As IPv6 contains multiple headers, how does it know where a particular header ends and next header begins?	ılar (8)	
Q.8		Write short notes on any FOUR :-	(4×4)	
		 (i) Middleware (ii) ASN.1(Abstract syntax notation dot one)i (iii) Digital Signature (iv) Cold Fusion (v) BOOTP (Boot Strap Protocol) 		
Q.9	a.	Why do we need a DTD (Document Type Definition) for an XI document? Explain with suitable example.	ML (7)	
	b.	Explain the WAP architecture in brief.	(6)	

c. Compare EDI with e-mail.

(3)