ourdiu.com | Shared by Md. Ferdous Foysal Hridoy

Daffodil International University

Faculty of Science & Information Technology

Final Examination, Fall

Course Code: CSE334, Course Title: Pervasive Computing

Level: 3, Term: 3

Time: 2:00 Hrs **Marks: 40**

Answer ALL Questions

[The figures in the right margin indicate the full marks and corresponding course outcomes. All portions of each question must be answered sequentially.]

1	*a)*	Define DES. Explain its security.	[1+3]	[CO4]
	b)	Explain the two modes of DES.	[6]	
2		Mamun and Nahid are two friends. But they live in different places. For communicating; Nahid suggests Mamun to use messenger by facebook. To use facebook one has to login in the facebook app. Nahid already know how to use facebook. Nahid told Mamun to open an account in facebbok.		[CO4]
	a)	If Mamun opens a facebook account, Explain the event using client-server communication based on the scenario.	[5]	
	b)	As Mamun using facebook by smartphone, Explain the way of sending request and getting the response from facebook server?	[5]	
3		A RSA cryptosystem uses two prime numbers, 17 and 29, to generate public key = 249. Apply RSA encryption algorithm to find the value of plain text for cipher text= 4.	[8]	[CO3]
4		Explain the architecture of WAP with proper description of layers.	[8]	[CO4]
5		Explain a connectivity gateway using proper figure.	[4]	[CO4]