

Daffodil International University

Department of Software Engineering Faculty of Science & Information Technology Final Examination, Spring 2024

Course Code: SE111; Course Title: Computer Fundamentals

Sections & Teachers: All

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.]

Sample input (hour of raining)	Sample output (hour of coding)	
4	8 Explanation: Since the duration of raining is 4 (even), Nila codes for 2 times of the rain duration = $(4*2) = 8$	
5	Explanation: Since the duration of raining is 5 (odd), Nila codes for 3 times of the rain duration = (5*3) = 15	
0	Sleep Explanation: Since the duration of raining is 0, Nila goes to "sleep"	
18	Sleep Explanation: Since the duration of raining is more than 12 hours, Nila goes to "sleep"	
Now, Solve the Flowchart.	above scenario by writing an algorithm (Pseudo code), drawing a	

	b)	Examine the follo	owing code	and find the exist	ing errom.			
		/Temperature A if difference > printf("Temp } else { printf("Temp } for (i = 0; i < 1)	c <studio.h> n() { mperature = 30 threshold = 25; rence = temperature - threshold; perature Alert/ fference > 0 { ntf("Temperature is above threshold"); c { ntf("Temperature is below threshold"); i = 0; i < 10; i++) { ntf("Iteration: %d\n", i) 10;</studio.h>					
	c)	EmpI EmpNa d me 1001 Rina 1002 Mina 1003 Zara 1004 Dhara 1005 Sara Relate at least four	EmpLic ense Lc1103 Lc1111 Lc1231 Lc1321 Lc1420 keys from t	EmpPassport Mk12098 Mk23098 Mk10896 Mk00987 Mk12234 he given table ar	DId 1 2 3 4 4 4 and explain	DId Designation 1 Executive 2 Trainee 3 Accountant 4 Manager 5 IT officer	Marks 5	
2.		campus. The universal building houses classification connectivity for or events attracting pappropriate types	ersity compressives, la ces like a line learnit participants of networthin classrooperations as	rises multiple but bs, and administ cademic databate g platforms. The from around to ks (LAN, MA) oms, between but all special events.	ildings spi trative offi ses, while e universi he 'globe. N, WAN ildings, ac	c infrastructure for a university read across a large area. Each ses. Professors need access to e students require scamless ty also hosts conferences and Your task is to design the , PAN) to ensure efficient ross the campus, and globally and elucidate it.	Marks10	CLO-4 Level-4