Daffodil International University
Department of Software Engineering
Faculty of Science and Information Technology
Semester: Fall-2017

Course Code: SWE232	**Course Title: Operating System**
Section: A & B	**Course Teacher: Dr. Md Mostafijur Rahman**
ASSIGNMENT 1	**Final Submission Date: 30-10-2017**
Mode of Submission:	**Hand Writing**
Total Marks:	**100**

Question: Consider the following set of processes:

Process Name	Arrival Time	Processing Time
A	0	3
B	1	5
C	3	2
D	9	5
E	12	5
F	5	1

1. Schedule the processes using FCFS, HRRN, SJF, RR(QT=1,2,3,4), and SRT.   **[Marks 40]**

2. Calculate the TAT, ATAT, WT, AWT, RT, and ART.   **[Marks 16]**

3. Evaluate the performance of FCFS, HRRN, SJF, RR(QT=1), and SRT.   **[Marks 4]**

4. From the evaluation report in (3), justify that the selected scheduling algorithm performance is not always best for other batch of process execution.   **[Marks 40]**