

**DEPARTMENT OF ELECTRICAL ENGINEERING
NATIONAL INSTITUTE OF TECHNOLOGY, KURUKSHETRA**

MID SEMESTER EXAM-1

Course Title/Code: Basics of Programming / CSIR 11

All questions carry equal Marks.

MM: 15

- Q.1) Write difference between while and do while loop with example.
- Q.2) Write a program which performs 4 operations: addition, subtraction, multiplication and division.
- Q.3) Program to calculate Grade of a student by applying following conditions:
1. If marks < 40 then Grade is F
 2. if marks $\geq 40 < 50$ then Grade is D
 3. if marks $\geq 50 < 65$ then Grade is C
 4. if marks $\geq 65 < 75$ then Grade is B
 5. if marks $\geq 75 < 85$ then Grade is A
 6. if marks ≥ 85 then Grade is A+

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