10)Algorithm of student grade

**grade() function**:-

**Step1**:- Start

**Step2**:- if (marks <= 100) then

**Step2.1**:- if (marks <40) then

Print fail

**Step2.2**:- if (marks <55) then

Print pass and third division

**Step2.3**:- if (marks <65) then

Print second division

**Step2.4**:- if (marks <80) then

Print first division

**Step2.5**:- if (marks <95) then

Print Distinction

**Step2.6**:- else

Print extra ordinary

**Step3**:- else

Print Please Enter a valid Marks

**Step4**:- return

**Step1**:- Start

**Step2**:- input marks of Marks of English ,Biology, Physics , Math & chemistry

**Step3**:- printing grade of English ,Biology, Physics , Math & chemistry using grade() function

**Step4**:- Use a for loop (int j = 0; j < 5; j++)

**Step5**:- sum += arr[j]

**Step6**:- End Loop

**Step7**:- per = sum / 5

**Step8**:- Printing total sum and percentage

**Step9**:- printing overall grade using grade() function

**Step10**:- Stop