ALGORITHM

Step 01: Declaring char name[]; Short standard; char section, grade;

Float maths, eng, hindi, sci, sst & totalMarks;

Step 02: Printing the WELCOME message

Step 03: Input name

Step 04: Input standard

Step 05: Input Section

Step 06: Printing message “Marks secured in”

Step 07: Input the marks of Mathematics in respective variable

Step 08: Input the marks of English in respective variable

Step 09: Input the marks of Hindi in respective variable

Step 10: Input the marks of Science in respective variable

Step 11: Input the marks of Social Science in respective variable

Step 12: Calculating the total marks in respective variable ‘totalMarks’

Step 13: If the total marks secured exceed 500 or are found to be below 0, then your program should terminate and the report card should not be generated.

Step 14: Applying the conditional statements to find the grade in respective variable ‘grade’

Step 15: If the totalMarks >= 450 and <= 500 then grade is A,

if the totalMarks >= 400 and <= 449 then grade is B,

if the totalMarks >= 350 and <= 399 then grade is C,

if the totalMarks >= 300 and <= 349 then grade is D,

if the totalMarks >= 200 and <= 299 then grade is E,

if the totalMarks >= 0 and <= 200 then grade is F.

Step 16: Printing the required message with the given patterns and respective

positions of variables.