Roll Number		

C

INDIAN SCHOOL MUSCAT
FIRST PERIODIC TEST

MATHEMATICS

CLASS: XI Sub. Code: 041 Time Allotted: 50 mts.

04.12.2018 Max. Marks: 20

GENERAL INSTRUCTIONS:

1. All questions are compulsory.
2. Questions 1 to 4 carry TWO marks each.
3. Questions 5 to 7 carry FOUR marks each.

1.	Find the equation of the line passing through the point P (-3 , 0) and making an angle of 150° with the positive direction of x-axis.	2
2.	Reduce the equation $x-\sqrt{3}y-8=0$ to normal form. Also find the perpendicular distance from the origin and the angle between perpendicular and the positive direction of x-axis.	2
3.	If the distance of the point (-4,2) from the line $3x+4y+k=0$ is 3 units, find the value(s) of k.	2
4.	Find the angle between the lines $x+\sqrt{3}y-1=0=0$ and $\sqrt{3}x+y-1=0$	2
5.	Find the coordinates of the foot of perpendicular drawn from the point(1,-2) on the line $4x-3y-5=0$	4
6.	Find the equation of a straight line passing through the point of intersection of the lines $3x+y-9=0$ and $4x+3y-7=0$ and perpendicular to the line $5x-4y+1=0$.	4
7.	Find the equations of the lines which pass through the point (3,4) and sum of whose intercepts on the axes is 14.	4

End of the Question Paper