Roll Number		

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INDIAN SCHOOL MUSCAT
FIRST PERIODIC ASSESSMENT

MATHEMATICS

CLASS: IX **Sub. Code: 041** **Time Allotted:50 min.**

16.05.2019 **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.***

SECTION – A (2 x 4 = 8 marks)

1. Classify the following as rational or irrational number. Give justification for your answer.

   a) 4.673673673673… b) 4.6767767776

2. Express 5.6666… in p/q form where p and q are integers and q≠ 0.

3. Represent √2 on the number line.

4. Expand the following using appropriate identity :$(\sqrt{5} - \sqrt{3})^2$

SECTION – B (4 x 3 = 12 marks)

5. Simplify: (a) $5^{\frac{2}{3}} \times 5^{\frac{-1}{9}}$

   (b) $-5\sqrt[3]{216} + 9\sqrt[5]{32}$

6. Find the values of a and b if :

   $\frac{7-4\sqrt{3}}{7+4\sqrt{3}} = a - b\sqrt{3}$

7. Represent $\sqrt{4.5}$ on the number line.

End of the question paper