Roll Number		

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INDIAN SCHOOL MUSCAT
FIRST PERIODIC TEST

MATHEMATICS

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

22.05.2018 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. Factorize $x^2 - 17x + 30$ by splitting the middle term. 2
2. Evaluate $\sqrt{153.76}$ using long division method. 2
3. Expand using suitable identity: $(3m + 5n)^2$. 2
4. Represent $\sqrt{5}$ on a number line. 2
5. Find the value of $\left[\frac{3}{4} \times \frac{-3}{5}\right] + \left[\frac{7}{6} \times \frac{5}{2}\right] - \left[\frac{4}{5} \div 3\right]$. 4
6. Find the value of 'x' and 'y' if $\frac{\sqrt{5}+\sqrt{2}}{\sqrt{5}-\sqrt{2}} = x + y\sqrt{10}$. 4
7. (i)Express $1.4\bar{3}$ in the form of $\frac{p}{q}$ where 'p' and 'q' are integers and q≠0. 4

   (ii) Evaluate: $\left[\frac{243}{32}\right]^{-1/5}$

End of the Question paper