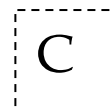


Roll Number		
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INDIAN SCHOOL MUSCAT

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 $q \neq 0$. | 4 |
| | (ii) Evaluate: $\left[\frac{243}{32}\right]^{-1/5}$ | |

End of the Question paper