NAME		ROLL NO	

INDIAN SCHOOL MUSCAT
MIDDLE SECTION
SECOND PERIODIC TEST 2018-19
MATHEMATICS (SET-B)

Code:MXM09

CLASS 8

21.01.2019

Time Allotted: 40 Minutes

Max .Marks: 20

General Instructions:

1.The question paper comprises of **three sections A ,B**, and **C**. You have to attempt all the sections.

2.**All** the questions are **compulsory**.

3.**All the answers should be written in the answer sheet provided.**

Q.NO1 **SECTION A - FILL IN THE BLANKS** Marks

(a) Reciprocal of $\left(\frac{-7}{2}\right)^{-3}$ is _____ 1

(b) Factors of $(x^2 + 5x)$ are _____ and _____ 1

(c) Standard form of 0.0000579 = _____ 1

(d) The HCF of $3x^2y$ and $-15x^3y^2$ is _____ 1

(e) $(2^{-1} \times 5^{-1} \times 3^{-1})^0$ = _____ 1

Q.NO2 **SECTION B – '1' MARK QUESTIONS**

(a) Factorise : $x(2x - 5) - 7(2x - 5)$ 1

(b) Factorise: $(p^2 - 49)$. 1

(c) Write the usual form of 2.12×10^{-4} 1

(d) Evaluate : $\frac{2^5 \times 2^{-13}}{2^{-7}}$ 1

(e) Divide $44xy^2z^3$ by $11xyz^2$ 1

Q.NO **SECTION - C ('2' MARK EACH – TOTAL (10 MARKS))**

3 Find the value of 'm' for $\left(\frac{2}{7}\right)^{2m+6} \times \left(\frac{2}{7}\right)^{3} = \left(\frac{2}{7}\right)^{m+5}$ 2

4 Evaluate: $\frac{2^{-6} \times 15^{-6} \times 125}{5^{-7} \times 6^{-6}}$ 2

5 Factorise and divide : $4xy(9m^2 - 6mn + n^2) \div 2y(3m - n)$ 2

6 Factorise : $p^2 - 12p - 45$. 2

7 Factorise completely: $(y - 3)^2 - (y + 3)^2$ 2