

NAME		ROLL NO	
------	--	---------	--



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



CLASS 8  
21.01.2019

Code:MXM09  
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	<u><b>SECTION A - FILL IN THE BLANKS</b></u>	Marks
(a)	Reciprocal of $\left(\frac{-3}{2}\right)^{-5}$ is _____	1
(b)	$(2^{-1} + 5^{-1} + 3^{-1})^0 =$ _____	1
(c)	Standard form of 0.000003576 = _____	1
(d)	The HCF of $4m^2n$ and $-16m^3n^2$ is _____	1
(e)	Factors of $(12x + 15)$ are _____ and _____	1

Q.NO2	<u><b>SECTION B – ‘1’ MARK QUESTIONS</b></u>	
(a)	Evaluate : $\frac{3^5 \times 3^{-12}}{3^{-7}}$	1
(b)	Factorise: $(p^2 - 16)$ .	1
(c)	Write the usual form of $4.129 \times 10^{-6}$	1
(d)	Factorise : $5x(x - 4) - 7(x - 4)$	1
(e)	Divide $44xy^2z^3$ by $11yz^2$	1

Q.NO	<u><b>SECTION - C ( ‘2’ MARK EACH – TOTAL ( 10 MARKS ) )</b></u>	
3	Find the value of x for $\left(\frac{2}{5}\right)^{2x+6} \times \left(\frac{2}{5}\right)^3 = \left(\frac{2}{5}\right)^{x+2}$	2
4	Evaluate: $\frac{3^{-5} \times 10^{-5} \times 25}{5^{-7} \times 6^{-5}}$	2
5	Factorise and divide : $8xy(4m^2 - 4mn + n^2) \div 2y(2m - n)$	2
6	Factorise : $p^2 - 15p + 54$ .	2
7	Factorise completely: $(2a + 3b)^2 - (2a - 3b)^2$	2