NAME		ROLL NO	

INDIAN SCHOOL MUSCAT
MIDDLE SECTION
SECOND PERIODIC TEST
2019-20
MATHEMATICS (SET-B)   **Code:MXM04**

CLASS 8   **Time Allotted: 40 Minutes**

22.01.2020   **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 ('1' MARK EACH) – TOTAL – 04 MARKS**	**Marks**
(a)	The HCF of the terms $9x^2$ and $3xy$ is _____.	1
(b)	$(7x^2 + 14x) \div 7x =$ _____	1
(c)	Factorise: $(n + p)^2 – m^2$	1
(d)	Factorise : $3y^4 – 12y$	1

Q.NO2	**SECTION B – ('2' MARKS EACH) – TOTAL – 10 MARKS**	**Marks**
(a)	Factorise : $m^2 + 2m – 35$	2
(b)	Factorise : $2x^2 – 3xy + 4x – 6y$	2
(c)	Factorise : $9m^2 – 24m +16$	2
(d)	Construct a rhombus PQRS given diagonals PR = 6.5 cm and QS = 5.4 cm.	2
(e)	Construct a quadrilateral PQRS in which PQ = 5.5 cm, QR = 4.5 cm, RS = 5.2 cm, PR = 6 cm, and PS = 6.5 cm.	2

Q.NO	**SECTION – C ('3' MARKS EACH) – TOTAL – 06 MARKS**	**Marks**
3	Construct a quadrilateral PQRS in which PQ = 5 cm, QR = 4.5 cm, PS = 6cm , $\angle$ P = 120° and $\angle$ Q = 80°	3
4	Simplify: $20 m^2 n^2 (y^2 – 12y + 36) \div 10mn (y – 6)$	3