CONVENT OF JESUS AND MARY, DELHI

CLASS IX MATHEMATICS HOLIDAY HOMEWORK JUNE 2020

1	**NUMBER SYSTEM**
	
	FROM NCERT TEXT BOOK
	   (a) Copy down laws of exponents for rational numbers
	   (b) Exercise 1.6 Q 1,2and 3 all parts (a & b to be done neatly in your class work register).
	
	FROM M L AGGARWAL TEXT BOOK (to be answered neatly in your practise notebook)
	   (a) Exercise 1.2 Q 1 to 17
	   (b) Exercise 1.5 Q 1 to 9

2	**POLYNOMIALS**
	
	FROM M L AGGARWAL TEXT BOOK
	   (a) Exercise 2.1 Q 1 to 9
	   (b) Exercise 2.2 Q 1 to 10
	   (c) Exercise 2.3 Q 1 to 9
	   (d) Exercise 2.4 Q 1 to 8
	   (e) Exercise 2.5 Q 1 to 7
	   (f) Exercise 2.6 Q 1 to 8
	
	   (to be answered neatly in your practise notebook)
	
	Note:
	Practise note book work will be considered for multiple assessment

3	**PROJECT WORK ON SIKKIM** **TO BE DONE IN YOUR MATH PRACTICAL FILE** **LET'S KNOW OUR PARTNER STATE - SIKKIM** (a) On a Sikkim district map, mark ten most famous tourist place you like to visit. According to you, which district has more tourist place? (b) Name the most suitable geometrical figure that is similar to the shape of Sikkim. (c) What is the altitude of Sikkim? (d) What is the best time to visit Sikkim? (e) Name the highest lake in India. Express its altitude in standard form. (f) Name the oldest monastery in Sikkim. (g) What does the name Sikkim means? (h) Where is the Valley of Flowers located in Sikkim? (i) How far is Sikkim from Delhi? (j) What are the best four ways to reach Sikkim from Delhi? (k) Following table give you some famous tourist places in Sikkim. Find out the altitude of each place and represent these data using a suitable graph. Also find distance (round off to nearest whole no) of each place from Gangtok.

Tourist Spot	Altitude (in metre.) (express in nearest multiple of 10)	Distance from Gangtok (in metre)
Gangtok		
Yuksom		
Tsomgo Lake		
Nathula Pass		
Pelling		
Lachung		
Ravangla		
Rumtek Monastery		
Namchi		
Jawaharlal Nehru Botanical garden		

	If your place of lodging is in Gangtok ,which are the best five place you can visit (deciding factors are time and distance)
4	**ART INEGRATION IN MATH** **Tessellation of snowflakes** Using tessellation of two sizes of Koch snowflakes make a wallpaper/carpet design on a A3 sheet of paper You can refer the following website or YouTube videos and use your own creativity to make the design – *https://en.wikipedia.org/wiki/Koch_snowflake* *https://www.youtube.com/watch?v=5WB0Niu3lmE&feature=youtu.be*