BCM SCHOOL, BASANT AVENUE, DUGRI, LUDHIANA.
NOVEMBER ASSIGNEMENT
CLASS- VII (MATHEMATICS)
TOPICS: EXPONENTS AND POWERS +COMPARING QUANTITIES

	SECTION –A (MULTIPLE CHOICE QUESTIONS)
1.	The value of $(-1)^{500}$ is (a) –1 b) 1 c) 0 d) none of these
2.	The standard form of 9,030,000,000 is given by _____ (a) 9.03×10^9 (b) 90.3×10^7 (c) 903×10^6 (d) 9.03×10^{-9}
3.	The number of illiterate persons in a country decreased from 150 lakhs to 100 lakhs in 10 years. What is the percentage of decrease? a) 30% b) 50% c) $33\frac{1}{2}$ % d) none of these
	SECTION – B(MARKS QUESTIONS)
4.	Selling price of a toy car is Rs 540. If the profit made by shopkeeper is 20%, what is the cost price of this toy?
5.	Express each of the following as a product of prime factors only in exponential form: (i) 108 × 192 ii) 270
	SECTION – C (3 MARKS QUESTIONS)
6.	In what time will Rs. 1600 amount to Rs. 1768 at 6% per annum simple interest?
7.	Find x a) $(-3)^4 \times (-3)^{12} = (-3)^{8x}$ b)$16 \times 2^{x+1} = 32$ c)$81 \times 3^x = 3^7$
	SECTION – D (5 MARKS QUESTIONS)
8.	a) A man got a 10% increase in his salary. If his new salary is Rs 1,54,000, find his original salary. b) Sagar bought an article for Rs.1215 and spent Rs.35 on its transportation.At what price should he sell the article to have a gain of 16 % ?
9.	If Pawan pays an interest of Rs 600 for 5 years on sum of Rs 3000, Find the rate of interest.
	SECTION – E (CASE STUDY)
10.	In order to expand business, Mr Sinha borrowed Rs 45000 from a bank for 3 years at 5% per annum.Based on the information,answer the following questions: a) Find the simple interest to be paid by him. b) What amount would be paid by him at the end of 3 years? c) Find the simple interest paid by him if he borrowed the money for 5 years.