	INDIAN SCHOOL AL WADI AL KABIR

Holiday Assignment (2019-20)

Class: VII	Sub: MATHEMATICS	Submission Date
Date : 23-05-2019		8th Aug 2019

Instructions:
(i)   **All** questions are compulsory
(ii) Please write down the serial number of the question before attempting it.

Section A : Multiple Choice Question

Q.1.	The sum of two integers is zero, if one of them is (- 5), then the other is:						
	A	2	**B**	-5	**C**	5	**D**	0

Q.2.	Perimeter of a square of side 4.5 cm is:						
	A	14.5 cm	**B**	18 cm	**C**	20 cm	**D**	45 cm

Q.3.	A 20 litre bucket is $\frac{3}{5}$ full of milk. The amount of milk in the bucket is:						
	A	12 litre	**B**	20 litre	**C**	25 litre	**D**	9 litre

Section A : Match the following

The following are the marks obtained by students in a class assessment:
4, 6, 7, 5, 3, 5, 4, 4, 2, 6, 2, 4, 1, 9, 6, 4, 8, 4, 6, 5, 7.

	Column A	**Column B**	
Q.4.	The range of the marks is	(i)	5
Q.5.	Mode is	(ii)	8
Q.6.	Median is	(iii)	4
		(iv)	3

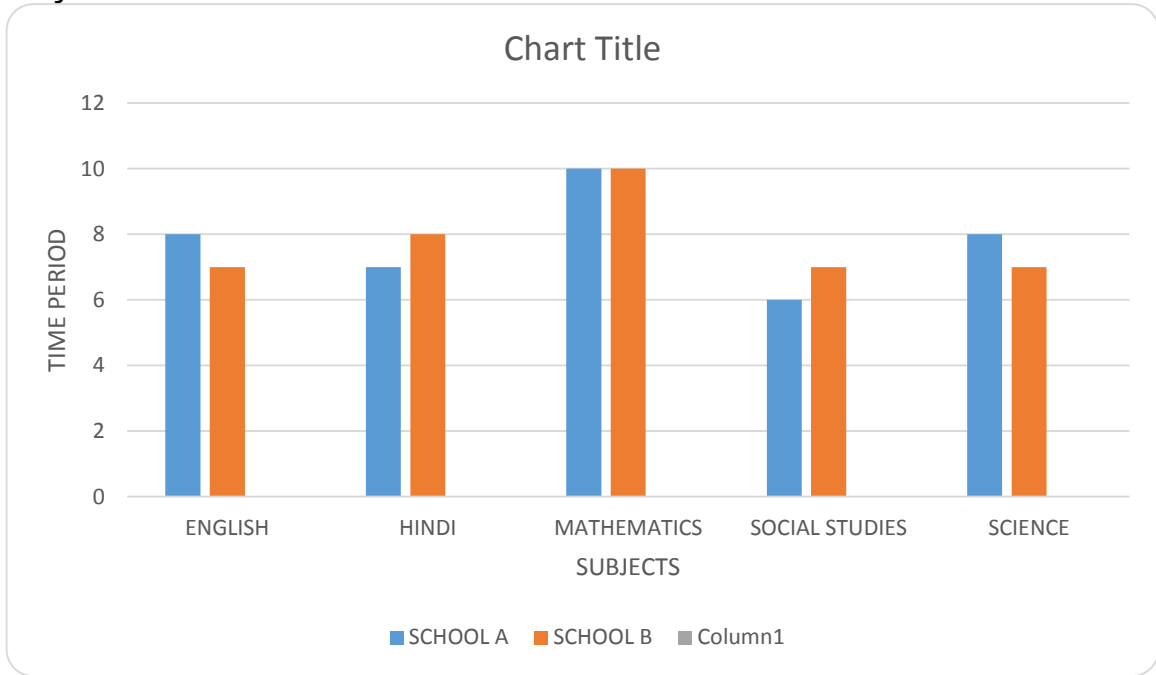|	**Section B** : Short Answer Questions (Type – 1)
Q.7.	The maximum temperature of a city on a particular day was 18℃ while the minimum temperature recorded on the same day was −3℃. What is the fall in temperature?
Q.8.	The cost of 2 dozen bananas is □ $3\frac{3}{7}$. Find the cost of 1 banana? Ans: □ $\frac{1}{7}$
Q.9.	A ribbon $15\frac{1}{5}$ m is cut into 4 equal parts. Find the length of each part. Ans: $3\frac{4}{5}$ m
Q.10.	Find: a) $48.5 \div 10$ b) 3.009×100
Q.11.	Find the cost of 25.4 m of cloth, if cost of 1m cloth is □ 50.50. Ans: □ 1282.70
Q.12.	The scores in mathematics test (out of 25) of 15 students are as follows: 19, 25, 23, 20, 19, 15, 20, 18, 7, 9, 8, 15, 20, 25, 20. Find the mode and median of the given data
	Section C : Long Answer Questions (Type – 1)
Q.13.	If one letter is chosen at random from the word 'MATHEMATICS', find the probability of choosing: a) The alphabet 'm'. b) The alphabet 'a'. c) The alphabet 'c'.
Q.14.	The weight (in kg) of ten new born babies born in a particular hospital on a particular day are 3.4 kg, 3.6 kg, 3.0 kg, 4.0 kg, 2.5 kg, 3.6 kg, 3.8 kg, 2.8 kg, 3.2 kg, 2.6 kg. Find the mean weight. How many babies have weight more than the mean weight?

Q.15.	Each side of a regular polygon is 3.5cm. If its perimeter is 17.5 cm, find the number of sides of the polygon. Ans: 5
Q.16.	The breadth of a rectangle is 2.5 m. Find the length if its area is 625.25 sq.m.
Q.17.	The following graph shows different time periods given by two different schools to different subjects: **Chart Title** *(bar graph with y-axis labelled TIME PERIOD from 0 to 12 and x-axis labelled SUBJECTS: ENGLISH, HINDI, MATHEMATICS, SOCIAL STUDIES, SCIENCE)* ENGLISH: SCHOOL A = 8, SCHOOL B = 7 HINDI: SCHOOL A = 7, SCHOOL B = 8 MATHEMATICS: SCHOOL A = 10, SCHOOL B = 10 SOCIAL STUDIES: SCHOOL A = 6, SCHOOL B = 7 SCIENCE: SCHOOL A = 8, SCHOOL B = 7 Legend: ■ SCHOOL A ■ SCHOOL B ■ Column1 Answer the following questions: a) For which subject both the schools gave same time period? b) Which school gives more time period for English? c) Which school gives less time period for Science?
Q.18.	Find the area of a square whose side is 6.25 m.

Section D : Long Answer Questions (Type – 2)

Q.19.	A teacher wants to compare the result of five children of her class in the Pre Mid term and Post Mid term exam. Draw a double bar graph to represent it.

Student	Ashish	Arun	Tanisha	Maya	Rita
Pre Mid term	10	15	12	20	9
Post Mid term	15	18	16	21	15

Q.20	In a competitive examination, containing 24 questions, 5 marks are awarded for every correct answer and (-2) marks are awarded for every incorrect answer and 0 marks are awarded for questions not attempted. a) David attempts 8 correct and 16 incorrect answers. Find his score.　Ans: 8 b) Raveena attempts 16 correct and 8 incorrect answers. Find her score.　Ans: 64 c) Hamid attempts 4 correct and 12 incorrect answers. If he attempts 16 questions out of 24 questions, what is his score?　Ans:　(- 4)
Q.21	Shyam bought 5 kg 300g apples and 3 kg 250g mangoes. Sarala bought 4 kg 800g oranges and 4 kg 150g bananas. a) Find the total weight of fruits bought by them.　Ans: 17.500 kg b) Who bought more fruits and by how much?　ANs: sarala, 400g
Q.22.	A car covers a distance of 202.4 km in 4.4 hours. a) Find the distance covered by the car in an hour?　Ans: 46 km b) Find the distance covered by the car in 3.5 hours?　Ans: 161 km
Q.23.	The length of a rectangular field is $5\frac{1}{4}$ m and breadth is $1\frac{1}{7}$ m. Find the area and perimeter of the rectangular field.　Ans: 6 sq. m.　$12\frac{11}{14}$ m
Q.24.	Find the product using distributive property: a) $36 \times (-56) + (-56) \times (-46)$　Ans: 560 b) $(-45) \times 108$　Ans: (- 4860)
Q.25.	a) A cooling machine requires that room temperature to be lowered from 50℃ at the rate of 5℃ every hour. What will be the room temperature after 8 hours after the process begins? Ans: 10℃ c) Find the product: $(-12) \times (-13) \times 20$