9th comp Nov 2019 Name:	, ID:			
Paper: <u>Computer</u>		Total Marks: <u>1</u>	.5	
Month Test: <u>November</u>	STORUBLIC SCHOOL	Obt. Marks:		
Theme/Unit: <u>5 – 8</u>	KPS +	Grand Total: <u>75</u>	·	
Objective:	ID:	Time: 20 n	nin	
Name:	class:9 th	Section:		
Q. No. 1: Encircle the correct option:				
Boolean algebra is also	known as:			
a. Logical algebra		c. Switching algebra		
b. Control algebra	to a day a sell become	d. A and c		
Boolean algebra was ir	•	0		
a. Charles Babbage		George boole		
b. Blaise Pascal		None		
3. Boolean algebra was ir		o 1057	d 4067	
a. 1847	b. 1850	c. 1857	d. 1867	
4. Complement of 0 is. a. 4	b. 3	0.0	d 1	
5. Which are basic logical		C. 2	d. 1	
a. AND	operations in Boolean a	c. NOT		
b. OR		d. All three		
6. In Boolean algebra the	AND operation is repres			
a. + sign	AND operation is repres	c Sign		
b. * sign		d. / sign		
7. A Boolean expression i	s a logical statement wh	•		
a. True	o a logical statement wit	c. Both a and b		
b. False		d. None		
8. If a= 1, b=0, c=1 then a	.b.c=?	G. 110.10		
a. 0	b. 10	c. 11	d. 1	
9. A. B = B. A is a:		•		
a. Associative law		c. Distributive law		
b. Commutative law		d. Absorption law		
10. A Boolean function	on with four variables wil			
a. 8 minterms		c. 24 minterms		
b. 16 minterms		d. 32 minterms		
11. Klez is a name o	f.			
a. Game		c. Virus		
b. Hardware part		d. Person		
12. Good time was a				
a. Vairus		c. Fake news about the	ne existence	
b. Antivirus		of virus		
		d. None		
	ry number system is:			
a. 8	b. 10	c. 2	d. 16	
14. BCD code uses:	h	- 7 b's	1 014	
a. 4 bits	b. 6 bits	c. 7 bits	d. 8 bits	
15. Program created to perform a specific task for a user:				
a. System software		c. Compiler		
b. Application software	•	d. All		

Paper: <u>Computer</u>	PUBLIC SE	Total Marks: 60
Month Test: <u>November</u>	- KPS	Obt. Marks:
Theme/Unit: <u>5 – 8</u>	CE LE ALL	Grand Total: <u>75</u>
subjective:	ID:	Time: 2 hours
Name:	class:9 th	Section:
Q. No. 2 Give short answe	ers: /30	

/30

/4

/6

/4

/5

/6

3) What is the use of Logical AND gate? Make table.4) Write down the elements of Boolean algebra?

9) Convert the hexadecimal number into binary, octal. 7A₍₁₆₎ 10) Write the message in ASCII code. "I am a good student".

(b). List down all the minterms of three variables x, y, z.

1(a): state and prove the De Morgan's law for the Boolean algebra.

3(a): Represent the following 8 bit 1's complement numbers into decimal. /5

5) Apply the principal of duality:

b. $X \cdot (y + z) = (x \cdot y) + (x \cdot z)$

8) Define data with an example.

12) What is the use of Recycle bin?

15) Convert A1. 03₍₁₆₎ into binary.

Q. No. 3. Give detailed answer.

(b). Explain the OR Logic gate.

2(a): How does computer get a virus?

(b): write the steps of creating a folder.

13) Define operating systems.

a. 00101011b. 11111111

a. F(x, y) = x.y + x.Y

6) Make the truth table of the function:

7) Calculate the value of Boolean function: a. X.y + x.z + x.y for x=0, y=1, z=0 b. (x+y).x +(y+z) for x=0,y=1, z=1

11) Name the four different features of window.

14) Write any two functions of an operating system?

a. X + x = x

b. X.y + x.y