

**Test No. 5 (Chapter NO.6)**

<b>Computer Science</b>	<b>9th class Punjab/Sindh Board -2020</b>	<b>Paper I/II</b>
<b>Time:15 Min</b>	<b>Objective Type</b>	<b>Marks:10</b>

**Note:** Four possible answer A,B,C and D to each question are given .The choice which you think is correct, fill that circle in front of that questions with Marker or Pen in the answer-book cutting or filling two or more circles will result zero mark in that question.

- 1.1 Who developed Boolean algebra?  
 (a) Von Neumann (b) George Boole (c) Charles Babbage (d) Dennis Ritchie
2. OR operator of Boolean Algebra is denoted by.  
 (a) + (b) \* (c) - (d) .
3. AND operator of Boolean Algebra is denoted by.  
 (a) \* (b) + (c) - (d) .
4. In Boolean Algebra,  $A \bar{A}$  is equal to.  
 (a) 1 (b) 0 (c) A (d)  $\bar{A}$
5. K-MAP introduced by....  
 (a) Maurice Karnaugh (b) George boole (c) Charles Babbage (d) Pascal
6. A Karnaugh map with three variables has call.  
 (a) 2 Cell (b) 4 cell (c) 8 cell (d) 16 cell
7. A Boolean function with four variables will have \_\_\_\_\_ maxterms.  
 (a) 8 (b) 16 (c) 24 (d) 32
8. In Boolean algebra  $A + 1 = ?$   
 (a) 1 (b) 0 (c) A (d)  $\bar{A}$
9. K-MAP is used to.  
 (a) Evaluate a Boolean (b) solve algebraic (c) Change decimal (d) Solve binary
10. In Boolean Algebra  $A + 0$  is equal to.  
 (a) 1 (b) 0 (c) A (d)  $\bar{A}$

	A B C D		A B C D		A B C D		A B C D		A B C D
1	A B C D	4	A B C D	7	A B C D	10	A B C D	13	A B C D
2	A B C D	5	A B C D	8	A B C D	11	A B C D	14	A B C D
3	A B C D	6	A B C D	9	A B C D	12	A B C D	15	A B C D

نوٹ: معروضی سوال تائے کو توجہ سے پڑھیں اور ہر MCQ کی درست آپشن A, B, C, D کو پین کی سیاہی یا مارکر سے اس طرح پُر کریں کہ سیاہی دائرے سے باہر نہ نکلے۔ ایک سے زیادہ دائروں کو پُر کرنے یا کات کر پُر کرنے کی صورت میں مذکورہ جواب غلط تصور ہوگا۔