

**B.Sc.(H), Semester 4
Practical Exam, 2020
Electronics Honours
Paper CC9 Practical**

Full Marks-15 Time: ½ hour.

Answer any three questions (3x5=15)

1. State the two De Morgan's theorems for two variables.
2. What do you mean by universal logic gate? Give examples.
3. State the applications of XOR gate.
4. Prove the following Boolean expression:
$$A+BC = (A+B).(A+C)$$
5. Determine the decimal equivalent of binary 1010.
6. Explain 2's complement of decimal 10011.

Students should submit their answer copy to the following email id

snecelectronicsscience@gmail.com