

13.08.2019

ST. JOSEPH'S COLLEGE (AUTONOMOUS), BANGALORE -27
B.C.A V SEMESTER
MID SEMESTER TEST : AUGUST 2019
CA 5115- COMPUTER ORGANIZATION AND ARCHITECTURE

Time – 1 hour

Max Marks-30

Answer any five of the following

5*6 =30

1. Simplify the following Boolean functions using four-variable maps.
 $F(A,B,C,D)=\pi(3,5,7,8,10,11,12,13)$
2. What is Decoder? Explain the working of 3- to -8 decoders.
3. Represent Decimal number 8620 in (a) Excess- 3 code (b) 2421 code (c) as a binary number.
4. Explain Basic Computer Registers connected to a Common Bus.
5. Draw a flowchart and explain for Interrupt Cycle.
6. Explain in detail on any one type of address instruction.
7. Give an example of different types of Addressing Modes.