SARDAR PATEL UNIVERSITY F.Y.B.B.A. (ISM) SEM - I EXAMINATION

F.Y.B.B.A. (ISM) SEM - I EXAMINATION 2016 Friday, 18 th November 10.00 a.m. to 12.00 p.m. Logical Organization of Computer: UM01CBBS02	
Q-1 A) List and explain all number system available in computer in detail. B) Do as Directed:	Maximum Marks: 60
	7
1. Find 10's complement of (456812) ₁₀	8
$2.^{\circ} (11011)_{2} (10010)_{2} = (?)_{2}$	
3. Convert Binary Code to Octal Code (111001001)	
4. $(ABF12.CD)_{16} \rightarrow (?)_{8}$	
Q-1 A) Draw the block of	
Transitive block diagram of Simple Computer and explain to the	
	onal units. 7
1. Find 2's complement of (11100011) ₂	8
$(110011)_2 + (101010)_2 = (?)_2$	
3. Convert Binary Code to Octal Code (1011004) 3.00	
(10, 0, 120)10 7(7)2	
Explain the following gates with truth table and circuit	
7 AND 2) NOR 3) NOT 4) YNO	8
B) Simplify following using k-map	
1. $F(A,B,C,D)=\sum m(1,2,5,6,8,9,11,15)$	
2. Simplify AB'+C'D+AB+CD with using Boolean algebra lows.	. 5
OP	2
A) Explain the following gates with truth table and circuit	
7 ON 2) NAND 3) YOR 41.11-	8
Simplify following using k-map	
1. F(A,B,C,D)=ЛМ(1,2,5,6,8,11,12,15)	
2. Simplify A'B+B'C+AC' with using Circuit	5
The and Explain function and components of Communication	2
Draw and explain instruction Execution Cycle of computer.	8
. OP	. 7
A) Draw and explain the von Neumann Computer Made I.	
Thirdy Processor and Pinelining	8
Q-4 A) What is Input Device? Explain the various Input Devices in detail. B) Write a note on RAM and DOM:	7
B) Write a note on RAM and ROM.	10
OP	5
Q-4 A) What is Output Device? Explain any Five Output Devices in detail. B) Write a note on Floray Dielector Live.	
Write a note on Floppy Disk and Hard Disk.	10
× — ×	5
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