

**MBA 1st Semester Examination, 2019**

**MBA**

*( Computer Application in Business )*

PAPER —MBA-108

*Full Marks : 50*

*Time : 2 hours*

*The figures in the right-hand margin indicate marks*

*Candidates are required to give their answers in their own words as far as practicable*

*Illustrate the answers wherever necessary*

**GROUP — A**

Answer any **four** questions : 2 × 4

1. What are the functions of computer system ?
2. What is Boolean logic ?

3. Why NAND and NOR gate is called universal gate ?
4. Give some examples of input device.
5. Why compiler is required ?
6. What do you understand by MIS ?

GROUP – B

Answer any **four** questions : 4 × 4

7. List down few names of system software and application software. Also state the difference between them.
8. What is an operating system and why is it needed ?
9. What is spreadsheet ? Give applications of spreadsheet in business.
10. What are the functions of control unit and ALU ?
11. What is an open-source software ? Give some examples.
12. What is big-data ? How big-data is helping in policy making of an enterprise ?

## GROUP – C

Answer any two questions :  $8 \times 2$ 

13. What are the differences between internet and intranet? How computer can be used to transform a business considering recent trends in information technology. 8
14. Perform the following operations using Binary logic :  $2 \times 4$
- (i)  $(89)_{10} + (185)_{10} = (?)_2$
- (ii)  $(58)_{10} - (13)_{10} = (?)_2$  using 2's complement
- (iii)  $(1110110110)_2 \rightarrow (?)_8 \rightarrow (?)_{16}$
- (iv)  $(DE34)_{16} \rightarrow (?)_{10}$
15. Draw a circuit for the following Boolean equation after optimization : 8

$$AB + A'C + BC$$

[ *Internal Assessment* : 10 Marks ]

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