

The figures in the margin indicate full marks.

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

Answer any five questions.

Answer Question No. 1 and any four from rest.

✓ 1. Answer any eight questions:

- Convert $(125.75)_{10}$ to equivalent binary.
- Write the base value of octal and hexadecimal number.
- What is universal gate?
- Write the truth table of Ex-OR gate.
- What is computer virus?
- Write the need of pie chart.
- What is WWW?
- Write the use of two mathematical functions of Ms-Excel.
 - What is animation?
 - What is a worksheet?
 - What is a macro?
- How many rows and columns are present in Ms-Excel worksheet?

$$2 \times 8 = 16$$

$$\begin{array}{r} 2 \overline{) 125} \\ \underline{24} \\ 2 \overline{) 81} \\ \underline{64} \\ 2 \overline{) 17} \\ \underline{16} \\ 2 \overline{) 1} \\ \underline{0} \\ 1 \end{array} \rightarrow 1111101$$

$$\begin{array}{r} 2 \overline{) 0.75} \\ \underline{0.6} \\ 2 \overline{) 0.15} \\ \underline{0.14} \\ 2 \overline{) 0.01} \\ \underline{0.02} \\ 2 \overline{) 0.00} \\ \underline{0.00} \\ 0 \end{array} \rightarrow 0.11$$

$$1111101.11$$

✓ 2. (a) Represent the following bool function to product of sum terms

$$f = \Sigma(1, 3, 5, 7, 9, 11)$$

(b) Write the characteristics and circuit diagram of Ex-NOR gate.

✓ (c) Simplify the expression using k-map.

$$f = \Sigma(1, 2, 3, 4, 5, 6, 7, 9, 10)$$

$$A'B + A'C + B'C'D + B'GD'$$

$$5+5+6=16$$

3. (a) Write steps to handle tables with different formats.

(b) How do you format text and paragraph in Ms-Word?

✓ (c) Write different steps of mail-marge.

$$5+5+6=16$$