

AHO 1134 CV-19
B.Sc. (Part - I)
Ex./Suppl. Last Chance
Term End Examination 2019-20
Computer Science
Paper – I

Time : Three Hours]

[Maximum Marks : 50

नोट : सभी प्रश्नों के उत्तर दीजिए। सभी प्रश्नों के अंक समान हैं।
Note : Answer All Question. All Question carry equal marks.

इकाई / UNIT – 01

1. (a) What is Operating System? Write features of Windows operating system.
(b) What is Number System? Explain Binary to Decimal number conversion by taking Suitable example.
- अथवा (or)**
- (a) Write differences between Procedure Oriented and Object Oriented Programming Language.
 - (b) Write a brief note on Printer. Explain its types.

इकाई / UNIT – 02

2. (a) Why digital Circuit can be represented by Boolean equations? Explain your answer.
(b) Write a brief note on –
 - (i) ASCII Code
 - (ii) Parity Code
- अथवा (or)**
- (a) Explain NOR and NAND logic gate with their truth table.
 - (b) Write a brief note on Positive and Negative logic.

इकाई / UNIT – 03

3. (a) Explain and compose characteristics of Integrated circuits logic families.
अथवा (or)
(a) Simplify the Boolean function unry K-map.
$$F = x^1yz + xy^1z^1 + xyz + xyz^1$$

(b) Write a brief note on half-Subtractor.

इकाई / UNIT – 04

4. (a) Write a brief note on Decoder.
(b) Explain RS Flip-Flop. Draw its logic diagram and truth table.
अथवा (or)
(a) Write a brief note on Demultiplexer.
(b) Briefly explain edge triggered Flip-Flop.

इकाई / UNIT – 05

5. (a) Write a brief note on binary Counter.
(b) What is shift register? Explain its application.
अथवा (or)
(a) What is Computer Memory? Explain its types in details.