

UL56F01 - Computer Theory

Time : Two Hours



Max. Marks : 40

Notes : 1. All questions are compulsory.
2. All questions carry equal marks.

- 1.** Write short notes on:
- | | |
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| a) DOS and Windows | b) Social Networking |
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OR

Write short notes on:

- a) E-Commerce b) Secondary Storage Device
- 2.** Discuss the Characteristics and various Classification of Computer.

OR

Explain Primary and Secondary memory. Describe with diagram.

3. Discuss the Advantages and Disadvantages of e-Commerce. Trace out the related social and ethical issues in this regard.

OR

What do you understand the term e-Auction and e-Jobs?

4. A computation of a RM is said to be circular if it reaches the same configuration at two different times
- (i) Explain why a circular computation does not halt. Give an example of a RM computation that does not halt, but that is not circular.
 - (ii) The Circularity Problem is: Decide whether or not the computation of any given RM and initial register contents is circular. Give a proof that the Circularity Problem is undecidable. You may assume suitable functions for encoding and decoding pairs of numbers as numbers, finite lists of numbers as numbers, and RM programs as numbers.

OR

Explain the basic requirements of e-commerce. Describe e-banking as one of the major e-services.
