BCA / M-19

LOGICAL ORGANIZATION OF COMPUTERS-II

Paper-BCA-122

Time allowed: 3 hours] [Maximum marks: 80

Note:- Student will be required to attempt five questions in all.

Question number '1' is compulsory. In addition to compulsory question, student will have to attempt four more questions selecting one question from each unit.

All questions carry equal marks.

Compulsory Question

4 (a) What is internal & external interrupt? 1. (b) What is address instruction & 1-address instruction? 4 What is Race-Around condition? 4 (c) (d) What is cache memory? How it is useful? 4 Unit-I (a) What is JK flip flop? What is the disadvantage of JK flip 2. flop? 8 (b) Elaborate the following: - D type Flip Flop - T type Flip Flop Explain Master-Slave flip flop in detail with example. 16 3.

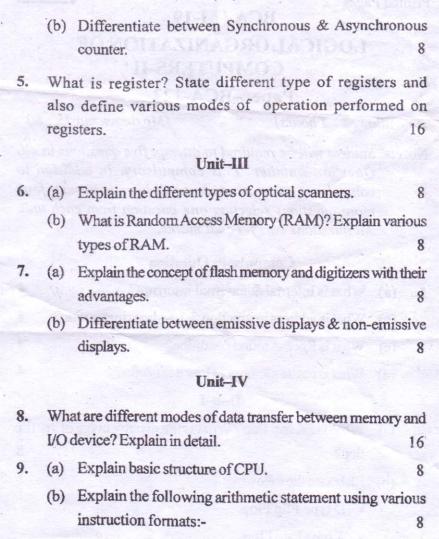
Unit-II

4. (a) Write down the design procedure of synchronous counter.Design synchronous MOD-5 counter.8

1927

[Turn over

Straloast promin



A = (B*C)-(D+E)