MARWADI EDUCATION FOUNDATION

Faculty of Engineering/PG Studies

(Computer Engineering /Information Technology Engineering)
B.E. SEM: IV   MID-SEM. EXAM: II   June-2022

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Subject: - COA (3140707)   **Date:- 08/06/2022**

Total Marks:-30   **Time: - 75 Minutes**

Instructions:
    1. Attempt all questions.
    2. Make suitable assumptions wherever necessary.
    3. Figures to the right indicate full marks.

Question: 1.   [6]

1   Defined CAR

2   Define Sequencer.

3   What is register stack?

4   What is synchronous mode of transmission?

5   What do you mean by interrupt?

6   What is the meaning of handshaking in data transfer?

Question: 2.   [12]

(a)   How hardwired control and micro programmed control architecture differentiate?   [6]

(b)   How microprogram sequencer works? Draw necessary diagram and explain in detail.   [6]

OR

(b)   Draw and explain in details about the microprogram control organization.   [6]

Question: 3.   [12]

(a)   How addressing mode is significant for referring memory? List and explain types of   [8]
       addressing modes
(b)   What is parallel processing?   [4]

OR

(a)   How push and pop micro-operations works? Explain in details about stack register.   [8]

(b)   Briefly explain source initiated transfer using handshaking.   [4]

---Best of Luck---

Sub: COA
Sem. 4
Branch: CE/IT

Que. Paper weightage as per Bloom's Taxonomy

LEVEL	% of weightage	Question No.	Marks of Que.
Remember/Knowledge	25	Q1(A) ,Q2(B) OR	12
Understand	25	Q2(A),Q3(B) OR	10
Apply	25	Q3(A), Q3 (B) OR	12
Analyze	12.5	Q3(B)	8
Evaluate	12.5	Q2(B)	6
Higher order Thinking/ Creative	0	-	0

Chart/Graph of Bloom's Taxonomy

QUESTION PAPER WEIGHTAGE AS PER BLOOM'S TAXONOMY