UNITED INTERNATIONAL UNIVERSITY



Am to the guy no: 2

Jews fime = (200+300) = 500 m actual fime = (20,000,500-500) m = 20,000,000 m = $(2\times10^{7}\times10^{9})$ sec = 0.02 sec

 $2048 \text{ byten of data} = \frac{2048}{0.02} \text{ h/s}$ $= \frac{102400}{2^{10}} \text{ kB/s}$ = 100 kB/s

Townst mode?

half of data = 2048 = 1024 bytes

102400 bytes of duta = 1 sec

2024 byten of data = 1024 sec

2 0.01 sec

= 20,000,000 m

Data transfer time = (10,000,000+ 500) m = 10,000,500 m Cycle stealing mode rest of data = 1024 bytes 1024 = 256 cycles

102400 lyter of data = 1 sec bytes of data = (4 x 109) m

= 39062.5 M = (39062.5+500) W

= 39562.5 m

data transfer time = (256x 39562.5) m -10128000 m

total time

= (10,000, 500 + 10128000) M

= 20128500 W

= 0.0201285 sec

Am to the ques no: 2

7A34(H) → 01111010001101000 4DC2(H) → 0100110111000010

CFF6(H) -> 2100011111110000

sign flag = 1 (msh = 1)

parcity flag = 1 (even humber of 1

in last 8 bits)

covery flag = 0 [no covery]

overflow flag = 1 (post pos = neg)

Am to the ques no: 3

DS:BX

4 (180 (H) [DSX 20] (x) 0100 (H) [BX]

= 4L280 (H)

segment régisters = PA-offset

4(280(H)-B290(H)

= 40FF (H)

Last physical address of Lode segment:

E47BO (H) [L5×10]

FFFF (H) [Last offset]

F47AF (H)