

Admit Card Mid-Term Examination of Fall, 2020

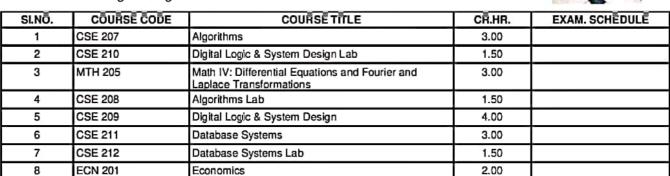
Financial Clearance

PAID

Registration No: 19101020 Student Name: Shawan Das

Program : Bachelor of Science in Computer Science and

Engineering



Total Credit: 19.50

- Examinees are not allowed to enter the examination hall after 30 minutes of commencement of examination for mid semester examinations and 60 minutes for semester final examinations.
- 2. No examinees shall be allowed to submit their answer scripts before 50% of the allocated time of examination has elapsed.
- 3. No examinees would be allowed to go to washroom within the first 60 minutes of final examinations.
- 4. No student will be allowed to carry any books, bags, extra paper or cellular phone or objectionable items/incriminating paper in the examination hall.
 Violators will be subjects to disciplinary action.

This is a system generated Admit Card. No signature is required.

MID-TERM, Fall-2020

Name: SHAWAN DAS

ID: 19101020

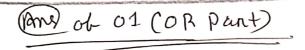
Dept.: C-S.E.

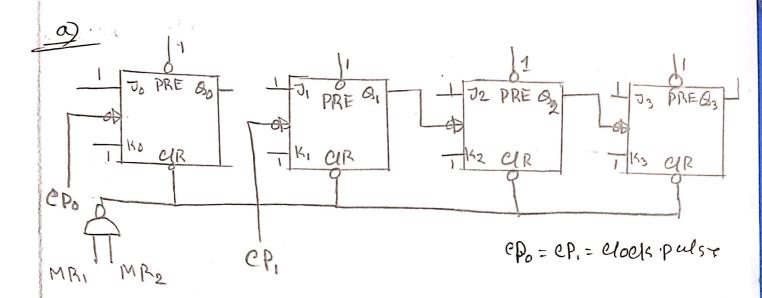
year: 2nd semester: 2nd

Course Titte: Digital Logic & System Design.

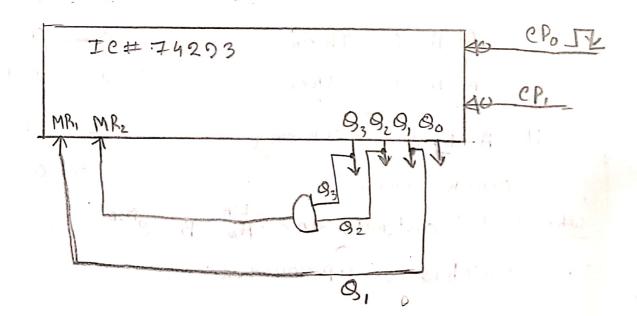
Course Code: C.S.E. - 209

Date: 23-02-2021



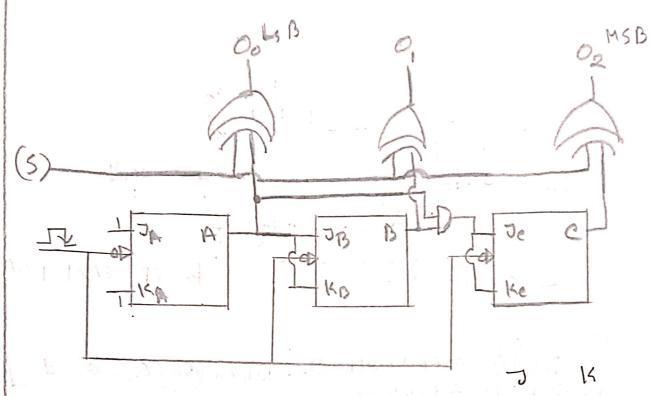


(b) 13-> 1101 14-> 1110-> out put will be 0. when \(\alpha_3 = \beta_2 = \alpha_1 = \frac{1}{2} \)
15-> 1111-> All will be \(\text{LmcR} = 0. \)



counts · O to 13 (MOD-14)

0



when 5=0 Ais always toggle so 1 1

At A = 0 Th-cm

At A=1 Then

ib A=B=1 Th-en

0- 0

1 1 (7 A=1)B=A

1 1

 \bigcirc

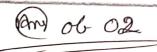
Ô

other then

when S=0 out puts are A. B. c. MsB.
. which is is up counter,

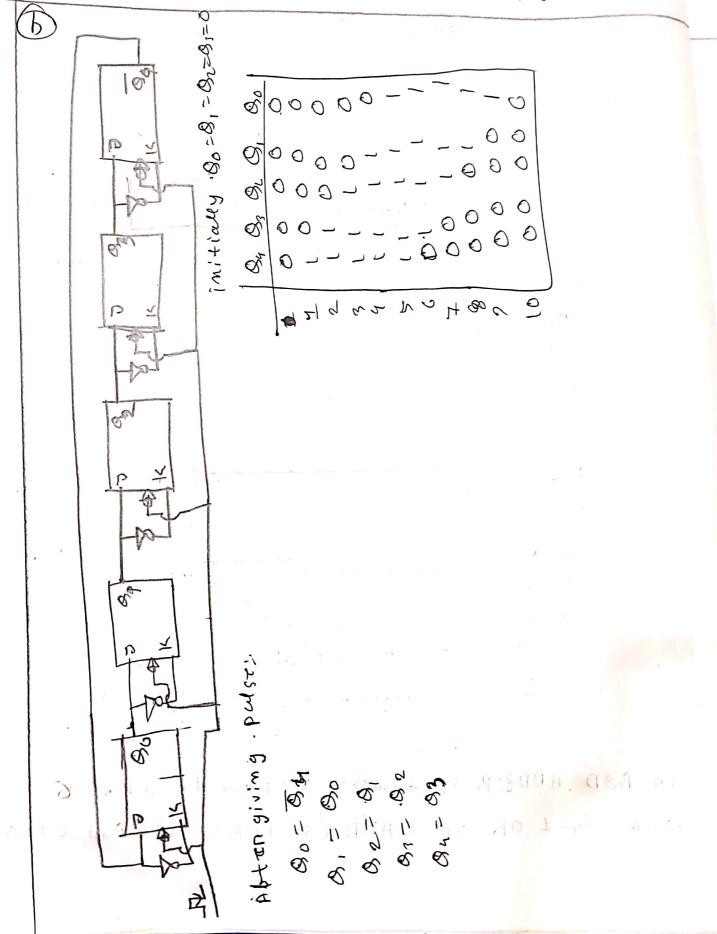
when s=1 outputs are · A B C MSB

which is down. counter.



a) A3 A2 A1 A0 120=0 B3 B2 B, B0 A, A 2 A, Ao I 60=0 B3 B2 B, B0 54 53525,50 11 Bo= Rg=0 -) output

in BCD ADDER is sum > 9 We have + eo & Add 8. so it Su=1 OR S3=1 AND (Si=1 OR S2=1) Add 0.110



(am of 03 (a)

- *: MOD number = 28 = 256
- (i) imput brequency = 16 MHZ = 16000 KHZ

output the querey = 16000KHZ = 62.5KHZ.

- (11) Range. 0 40 255
- (iv) 10101000
- DD It happend breeaus the 7 bibnean count brom. Oto 127 abten 127 it will stant counting brom 0.
 - in the can use upto 8 bit counter is uch as it he us 10 bit counter it will count . brown 6. to 1023.

1			
00	D & B A	TX.	
	1100		$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
Model Commenced	1110		of tenting busin 6.
	BCP		POB COTABB