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SUBJECT: DIGITAL LOGIC DESIGN

SEMESTER: 3RD

PROGRAMME: BS (SOFTWARE ENGINEERING)

Mon Tue Wed Thui Fri Sat Date: / / Q3: If woweform in Q, is applied to for Q2 at point A. Determines the war form point B to F. - Fazeel Notes -

Qu: Determine the output, X for a zinput AnD gate with the input woweform in figure.

Os: The waveform in figure are applied to point

A and B of a singut and gate
followed by an invertex. Draw the output waveform

X<sub>2</sub>

X<sub>2</sub>

X<sub>2</sub>

X<sub>3</sub>

X<sub>4</sub>

X<sub>5</sub>

X<sub>7</sub>

X<sub>8</sub>

Formal Notes

Mari Trainwal Trail Fill I Said Date: / / Ob: The input waveform applied to 2-input and gette one or indicated in figure show the output waveform in proper relation to I'm input with the Time diagram. (ABC) O7. The input applied to a 4 input AND gate as Indicated in figure the output is fed to inverter. Draw the not Fazeel Notes 

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D	$\mathbf{a}$	TO.	2	- /	

Q10:	Repeat	Q7 for	4 input	OR gate.	
Sof		,;			Jo X
B			<u></u>		
C.					
× :				Su	
Q11:	For the	ith outpu	n opien i	E ANED	with sulput
00	, C, + a  ut put	House fe	are okal	me form.	
9/			) = F		
			F + (7)	- X	

Fazeel Notes

Date: /

) ia :	Show	the tu	th to	ble for a	system of
a	3 inpu	ut organ	te f	blowed by	system of jour investor.
1	A	B	C	(A+B+C)	- (A+B+C)
	Ö	0	0	0	1
	0	0	1	1	0
	0	١	0	1	0
	0	١	1	1	0
	١	0	0	1	0
	١	0	1	1	0
	1	١	0	1	0
	١	١	1	1	0
	A-	7	70.	X	
	3	1/			
	C	-1		1 1	D4
13:	for the	set of	unpu	* waveform	5. Determine The
6	utput	for the	gale	Shown in I	s. Determine the
		V	•		
	0		11	nnnr	
-	H 7	ППС		1111	THILL I
	BI				4
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	X _	-		711	

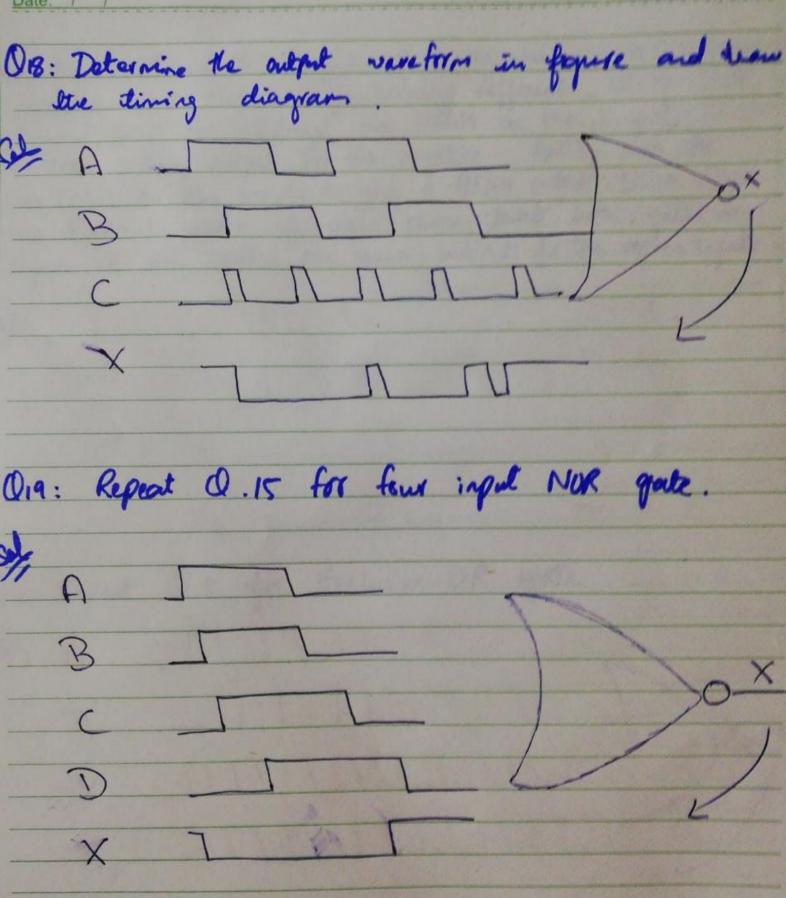
Q14: Petermine the gode adout for the input waveforms in figure and dear the truing diagram. Determine the output waveform in figure.

Fazoel Notes

O16: The two logic symbols shown in figure 11 represent equivalent operations. The difference between thetwo is strictly from a functional viewpoint. For the NAND symbol, look for two HIGHS on the signed to give a low output. For the negative- OR, book for atleast one LOW on the signed to give a HIGH on the output. Using these two functional viewpornts, shows that each gate will produce the same outpet to the given on injuts OA: Repeat Q13 for 2 input ner gate.

**Fazeel Notes** 

Date: / /



Farael Notes

