

------Seat No S1910203522 Stk. No 5411488 4102

Sub. Centre

Oct | Nov 2024 30/11/24 Friday LDC-0___

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Specific remarks regarding maloractice (in Bed Ink)

Marks in Sinn Cerenteen

Sem:3

Instruction to Candidate 1. Candidate has to confirm seat number, subject

and centre number printed on Bar code and write it on attendance sheet. factorial gave an abgothe anne aceier, force a die इत्यांक तपालन योग्य असल्याची छात्री करावी आणि प्रपन्धिती transmi alternit 2. Paste Bar Code in prescribed space.

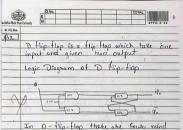
इक्टब्रिकेचील विदेश क्लेक्स का क्षेत्र स्वकार 3. Do not write anything on Bar code sticker, otherwise it will be treated as unfairmeans. क्तार कोड स्टिकरकर कारीबी लिख गये, अन्यका परीका गैरहकार

सवासन जारेन 2

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१. विद्यार्थ्याने उत्तरपत्रिकेच्या मुखपुष्ठावर तसेच उपस्थिती Candidate shall fill all information about sear पत्रकावर विहित जागेत आसन क्रमांक अंकात व अक्ष्मात number, paper etc. in prescribed space and sign on विनचक लिहन स्वाक्षरी करावी. the answer book and attendance sheet. २. उत्तरपत्रिकेयर फक्त निळ्या अथवा काळ्या शाईचा उपयोग Candidate shall use blue or black ink only, t. करावा, अन्यथा उत्तरपत्रिकेचे मुल्यमापन केले जाणार नारी. Otherwise answer book will not be evaluated. उत्तरपत्रिकेच्या पृष्ठक्रमांक ३ पासून लिहिण्यास प्रारंभ करावा. Candidate shall start writing answer from page no. 3 of the answer book. संबंधित प्रश्नाचे अथवा उपप्रश्नाचे उत्तर जेथन सक होते Candidate shall mention question number, sub तेथेच समासात प्रश्न क्रमांक, उपप्रश्न क्रमांक अचूक थ question number correctly at the beginning of the स्यष्ट लिहाया, यासाठी येगळ्या शाईचा उपयोग करू नये. same and shall not use ink other than blue or black, ५. प्रत्येक पानाच्या दोन्ही बाजूस लिहावे, उत्तरपत्रिका किंवा Candidate shall write on both sides of pages and पुरवणी उत्तरपत्रिकेचे कोणतही पान फाडू नये, फाडल्यस shall not tear off any page, it will be treated as परीक्षा गैरप्रकार समज्ज पडील कार्यवाही करण्यात येईल. unfairmeans. ६. पेपर संपण्यापूर्वी १० भिनिटे अगोदर इशास घंटा होईल, Warning bell will be given before 10 minutes of the त्यानंतर विद्याध्यांने उत्तरपत्रिका च पुरवंशी उत्तरपत्रिकेयर concluding time. Candidate shall paste Holograft होलोक्राफ्ट स्टिकर विहित जागेवरच लावावा. Sticker at appropriate space on the answer book. An Act of Copying or Impersonations at an क ॉपी क रणे किं या दस-बाच्या नावायर परीक्षेस चसणे Examination is Ponishable under 'The Maharashtra यांसारख्या चूनी 'महाराष्ट्र-प्रीव्हेन्शन ऑक मालग्रॅक्टिम ऑक्ट Prevention of Malpraetices at University, Board and युनिव्हर्सिटी, योर्ड ॲण्ड अदर स्पेसिफाईड एक्ट्रापिनेशनस Other Specified Examinations Act, 1982' (Ordinance ऑबर, १९८२' (सा.फ.प.वि. चा अध्यादेश क्रमांक १) 9 of SPPU). The Act passed to the effect. त्यानुसार संगत केलेला कायदा या अन्वये दंडडी असेल. Examiner and Moderator has to write marks on all given appropriate place only. Coming a should give assessment tick(v) or (x) in the margin 3 4 6 8 9 Total



gate as N1, N2, N3 and Ny Input N1 and N2 is same that is 0

and clock pulse (CIK)

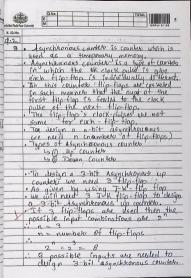
Toph N3 and N4 ask paining the Input as output of N3 and N2 ask second input as the next state of the next state of the N3 and N4. To be the input of the next state of the next and N2 for the simullances to make the next state of the next state of the next state of the next simullances.

Symbol Block Diagram.



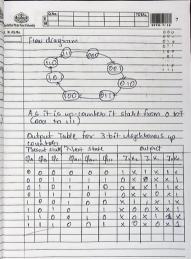
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Z. W./Q.No.				
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	1 1	0 001	0	change
1	The O flip custive high as D flip When D is State become When D is (Quis) become When D is (Quis) becomes	active do	high the down)	next (g

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119		By Carlot	7 1 4 1	- 1	1	
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- '	1	0	Pa	(and)		X
-	0	0	- On	1 Pm		No 17
Lab	1		0	81		3 (Se
200		1	Chi	On .		(Su
	100	17-10-	Chip.	(h)	10	ggle
	201	state.	and K=1 put is su	id to 1		
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11-11	On!	Pata	7	K		
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-	et in	0				
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			-		1	

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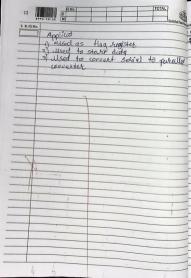


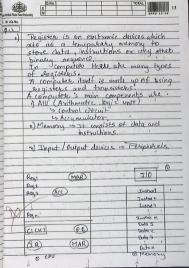


*	Q.Mo. TOTAL 9
tribal Phale Pun St. JQ.No.	Unionly In SPPU-9/36
1.2	
2	The segisters is a device which is
	The registers is a device which is capatle of storing the data instructions and addresses
	Projected is capable of transforming
	hingry (duta somence) instructions either
	to the eight till or lift side are called
	Register is capable of transforming bindry (clota seguence) instructions either to the extent student of little are called as level chifter.
	Thus, the flip flop are alkange is cascated toomat are busput of one flip flop is consuled to the speed of another flip flop.
	cassated format are but out of one Hip floo
	is connected to the Enous of another
	fun-flop
	All the flio-flow acts the same cleck
	All the flip-flop gets the same cleck pulse due to which this-flop instruction asse transformation
	The flip flops and regidence are cascard drive input in involveds or
	Coccopicy will input in involveds or
1	deliveed
	Types of shift rigisters
0	SIGO
-/	SISO means (shift in shift out)
2)	P7.50
3)	CISO

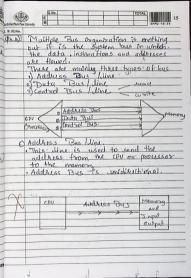








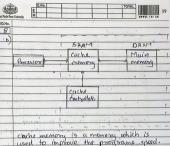
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9. K./Q.	No.				inited Patrick
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	MAR IAR (15 It ho data ou 15 MAR Using	Memory And Sugist Ids the Ind instru	ddless Ree	of the	·y
3)	MBR/MDA STIS SHOLDS MBR 10 USING d	a regist the data connected lata bus	nony But et. I and all I to the	fer / pata de 50 instruction memory	gistes ns.
3	IR (Instruction of the control of th	type of on use	egister) ergiste por detir	to in which	h
5) ((KT ((0)	atsol (rocu legist tools th	er. e flow	of the p	segs



16	Suite
9. W./Q.).
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	1 Data Bus / line.
	4) This lime is used to some date
	from CPU to memory or from
_	memory to cou.
_	toom cru to memory or from memory to course to course to course to bata Bus 15 Bidientional
-	
-	the state of the state of the
-	CPU Memory
_	Data Bus and
	twant.
	Pulled out of
	The state of the s
X	3 Control Bus/line. 25 This control the flow of program 5 This bus has true operation Memory Lead / "Flad Memory (write) / write Atore 5 Tentrol bus 15 individually while 15 unitilizational and cellectively 15 bittleactional and cellectively
1	CONTROL Bus for Memory
	control bys for and

I. W. /Q.No.	ne University M		
Q.4			
()		Handwired	Micso Paogauma
	Sections Ofor Comparison	Control	Control
111	Comparison	Unit	Unit
9	speed .	fast	Slow
2)	flexibility	non-flexible	flexible
3)	design	clome tomplex!	easier
47	approun of	or the step of	1 N N
,	However cl 5	Difficult	"Easier".
	comolex	1	
1.	instruction		1
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5)	Application	RISC	CISC
6)	Control unit	durge	Small.
)	Space	7	
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-01	addlussina	- Children	
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/	war and		
1	1		100
4			

18 Q.No.	TOTAL
S. K. /Q.No.	The state of the s
9.8 DMA	
9) DMA	Mamon Addlescains
Disect memory ad	Memory Addlessing
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It consists the	2 DMA. DMA. address
- Seaisteks and or	ressors which are
- connected to the	system bus lines
- t- m	
4	address time
- 6	controlling.
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Counter Made Adde	
Counter required logic	100 21 GR 10 1 and
01	1 210
A .	
	20.0
Pangaommed I/O	
	Intereput privar Ilo
By the programmests	By the processor.
7	o the partiessor.



chicke memory is a money which is used to improve the programme speed. The dodg is transfered from main memory and also to the processes. The spam polet is called as cache memory.

cache coherency.

is when the data is copied to the main manning and (ath use mostly but the data of the point memory) but different on the data is been changed is cattled as each constitute. The differe data from cuche namony with suspect to the main memory is called a cat of some cuche as an account of the main memory.

20 E M	TOTAL
9 FF0-20/36 M	Serials Mach
[a.5] Intokrupt	
b) Instruction (ucle	-
Instruction (yele	of instruction
to be followed.	
- DEetch secode.	
Treate execute.	
3 Intercupt	
fetili yele exculeye	71.1
	Interest Cycle.
(Start) Fetch Execute	
next Tuchalia	CheCHI interrupt
Instruction.	Preuss interrip
(Halt)	Principal de la companya della companya della companya de la companya de la companya della compa
Tuber II . / h	11.4
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and then Expression	he interrption
then tetch the next inc	intereption
When intreagnt is	tattion.
the pc is been push	is accused.
address at next instructions	the stack
Sub months given to I	R (Tubes of t
when interappt i interrupt the pris been Push to Caddless church instruction the control is given to I also received.	- Comp
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h	1

