(https://swayam.gov.in/nc_details/NPTEL)

tawari_shivam.ghrceai@raisoni.net >

NPTEL (https://swayam.gov.in/explorer?ncCode=NPTEL) » Computer architecture and organization (course)

Announcements (announcements) Ab

About the Course (preview)

Ask a Question (forum)

Progress (student/home)

Mentor (student/mentor)

Unit 2 - Week 0

Course outline How does an NPTEL online course work? Week 0 Quiz : Assignment 0 (assessment?name=18) Week 1

Assignment 0

Your last recorded submission was on 2020-09-02, 01:02 IST

- What is the binary representation of 45_{10} ?
 - a. 101001
 - b. 111001
 - c. 101101
 - d. 101000

Due date: 2020-09-14, 23:59 IST.

○ b. ○ c. ○ d.		
2) Express th	ne hexadecimal number AB27 ₁₆ in binary?	
	a. 1010 1011 0010 0111	
	b. 1010 1111 0011 0111	
	c. 1011 1011 1010 0111	
	d. 1011 1010 1010 0111	
	ne following switching expressions represent the Exclusive-NOR of two variables A	
and B?		
	a. A'B+AB'	
a I	b. A'B' + AB	
	b. A'B' + AB c. (A + B')(A' + B)	
	b. A'B' + AB	

	Suppose A=0111 and B=1010, will there be an end around carry if you subtract B from A using 2's complement arithmetic?					
a.	Yes					
b.	No					
○ a. ○ b.						
Consider two 8-bit numbers R1 and R2, with values R1 = 56 (in hexadecimal), R2 = 27 (in hexadecimal). What will be the value of R1 $-$ R3 ?						
a.	29					
b.	2D					
с.	2E					
d.	2F					
○ a.○ b.○ c.○ d.						

1 point

1 point

8) How many distinct switching functions of 3 variables are possible?					
a.	8				
b.	64				
c.	256				
d.	1024				
○ a.○ b.○ c.○ d.					
Which of the following represents the correct order of memory types in terms of speed (fastest to slowest)?					
a.	Register, Cache Memory, Main Memory, Secondary Memory				
	Register, Main Memory, Cache Memory, Secondary Memory				
c.	Cache Memory, Main Memory, Register, Secondary Memory				
d.	None of these				
○ a.○ b.○ c.○ d.					

1 point

What is the typical main memory capacity in a desktop computer system?	1 poin
a. 4 Kbytes	
b. 4 Mbytes	
c. 4 Gbytes	
d. 40 Gbytes	
○ a.	
○ b.	
○ c.	
\bigcirc d.	
You may submit any number of times before the due date. The final submission will be considered for grading.	
Check Answers	
Submit Answers	