Started on	Monday, 29 January 2024, 2:00 PM
State	Finished
Completed on	Monday, 29 January 2024, 2:20 PM
Time taken	19 mins 6 secs
Grade	7 out of 10 (70%)

Information

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Answer the questions based on the code given below:
ORG 0H
LJMP MAIN
ORG 100H
MAIN:
CALL XYZ
HERE: SJMP HERE
ORG 130H
XYZ:
       MOV 50H, #1BH
       MOV 51H, #0FH
       MOV A , 50H
       MOV B , 51H
s:
       SUBB A, B
       JC HERE1
       JZ HERE2
       MOV R2, B
       CJNE R2 , #00H , S
       JMP ENDING
HERE1: CPL A
       INC A
HERE2: XRL A , B
       XRL B , A
       XRL A , B
       MOV R2, B
       CJNE R2, #00H, S
       JMP ENDING
ENDING: MOV 52H, A
```

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RET END

Question 1		
Correct		
Mark 3 out of 3		
What logic is being implemented by this code?		
a. Finding MAX number		
○ b. Finding LCM of a number		
c. Finding Prime number		
● d. Finding GCD of a Number ✓		
Your answer is correct.		
The correct answer is: Finding GCD of a Number		
Question 2		
ncorrect		
Initially 1BH is stored in A, after two iterations of label "S" what is NOTE: Answer should be in HEXADECIMAL format.	the value stored in A?	
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Initially 1BH is stored in A, after two iterations of label "S" what is NOTE: Answer should be in HEXADECIMAL format. Answer: 03H The correct answer is: FD Question 3 Correct Mark 2 out of 2 What is the content of memory 52H at the end?		
Initially 1BH is stored in A, after two iterations of label "S" what is NOTE: Answer should be in HEXADECIMAL format. Answer: 03H The correct answer is: FD Question 3 Correct Mark 2 out of 2 What is the content of memory 52H at the end? NOTE: Answer should be in HEXADECIMAL format.		
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THE COITECT 6	nower is, early to the specifical laber if the value of accumulator is o
Your answer	is incorrect. Inswer is: Jump to the specified label if the value of accumalator is 0
	to the specified label if the value of carry bit is 0 ×
	to the specified label if the value of R0 is 0
	to the specified label if the value of accumalator is 0
a. Jump	to the specified label if the most significant bit of R0 is 0
What is the us	e of instructions JZ?
Mark 0 out of 1	
ncorrect	
Question 5	
	inswer is: Swap two numbers
Your answer	is correct
G. Widiti	.,
	oly two numbers
	action of two numbers
	two numbers ✓
XRL A , B	
XRL A , B XRL B , A	
	e code snippet shown below do?
Mark 2 out of 2	
Correct	

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