



Air University
(Mid-Term Examination)
Department Of Cyber Security

Subject: Coal Lab
Section: B
Class: BS (Cyber Security)
Semester: III

Total Marks: 15

Due Time: 9:00 am-11:00 am
Time Allowed: 2 hr.

Instructions:

Provide your answer ONLY in MS WORD or PDF format.

Plagiarism or copied question will be awarded zero.

Late submission in GCR will cause deduction in marks.

Q. No	Questions	Marks	CLO				
Question 1	<p>a) Program should be coded in high level language (preferably C++) Following functions should be performed by the calculator:</p> <ul style="list-style-type: none">1. Binary to decimal conversion2. Subtraction <p>Your calculator should be able to deal minimum 4 bits number</p> <p>b) What does the following assembly code do?</p> <pre>MOV AX, 5 MOV BX, 3 MUL AX, BX</pre>	8	CLO 1				
Question 2	<p>a) You are given with the following code. Identify the errors by underlining them and re-write the code after applying suitable corrections. also comment every line to explain its execution</p> <table><tr><th>Code With Errors</th><th>Corrected Code</th></tr><tr><td>.386</td><td></td></tr></table>	Code With Errors	Corrected Code	.386		7	CLO 2
Code With Errors	Corrected Code						
.386							

	<pre>.model flat, stdcall .stack 4096 ExitProcess PROTO, dwExitCode:DWORD .data sum DWORD 20 .code main PROC move eax, 3 add ebx, sum invoke ExitProcess, 0 main END END main</pre>		

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***** End of Examination Paper *****