INTRODUCTION TO COBOL EXAM

Name:	Score:	
Total Score: 60 points		
	ions, 5 points each) tions, 15 points each) ourse materials, compiler, or internet access allow ovided. For coding questions, write clean, indente	
Section A: Theory		
1. Explain why COBOL was develop	ed and what type of applications it was originally	y intended for. (5 pts.)
2. Describe the purpose of the four	r main divisions in a COBOL program. (5 pts.)	
3. What is the function of the PIC cl	lause? Provide two examples and explain what ea	ach one means. (5 pts.)
4. How does COBOL handle looping	g structures? Describe with one keyword-based o	construct. (5 pts.)
5. Compare COBOL's approach to e	error handling with that of modern programming	g languages. (5 pts.)
6. Why is COBOL still relevant in too	day's software industry? Mention at least two pra	actical reasons. (5pts.)
Section B: Practical		
7. Write a small COBOL program frDeclares a numeric counterDisplays numbers from 1 to		(15 pts.)

Complete the missing parts in th	ne following COBOL snippet and answer the following que	estions:
IDENTIFICATION DIVISION.		(1 pt.)
SemesterFee.		(
DATA DIVISION.		
WORKING-STORAGE SECTION	ON.	
01 STUDENT-NAME	PIC X(30).	
01 STUDENT-ID	PIC(). <* Student's ID number (8 digits)	(1 pt.)
01 NUM-COURSES	PIC 9(2).	` ' '
01 CREDITS-PER-COURSE	PIC 9(2) VALUE 3.	
01 PRICE-PER-CREDIT	PIC 9(4)V99 VALUE 120.00.	
01 TOTAL-FEE	PIC 9(6)V99.	
PROCEDURE DIVISION.		
MAIN-PARA.		
<* Ask for student's nam	ie	
"Enter student	name:"	
STUDENT-NAN	ЛE	(2 pts.)
<pre><* Ack for student's ID</pre>		
<* Ask for student's ID "Enter student	- ID•"	
STUDENT-ID	LID.	
310DEN1-ID		
<* Ask for the number o	f courses	
"Enter numbe	r of courses:"	
NUM-COURSE	S	
COMPUTE TOTAL-FEE = 1	NUM-COURSES * CREDITS-PER-COURSE * PRICE-PER-CRED	JIT
<* Display all collected a	nd computed information	
DISPLAY "STUDENT INFO	·	
DISPLAY "Name: " STUDE	ENT-NAME	
DISPLAY "ID: " STUDENT-	-ID	
DISPLAY "Total Semester	Fee: \$"	(1 pt.)
ot E 171		·
<* End the program		(1 pt.)
 What should the name of the 	he file be to follow COBOL file naming conventions for so	urce files? (4 nts
Wilde Silodia tile Haille of the	The the se to rollow cobol the righting conventions for so	aree mes. (r pes
 If the price per credit is inc 	creased to \$135.50, what line in the program needs to b	oe changed? Rev
the exact line with the new		-
ONITION +10 ntc)		

(BONUS QUESTION +10 pts.)

• Identify and explain the purpose of the PIC 9(4)V99 clause used in the declaration of PRICE-PER-CREDIT. What kind of data does it allow and how is it formatted?