



Assume any missing data.... The exam is four questions.

*Books & notes are not allowed.

Part: 01

Midterm Exam

(20 Marks)

Question (1)

[20 marks]

1-a) Write a C program to input marks of five subjects Physics, Chemistry, Biology, Mathematics, and Computer. Calculate percentage and grade according to following:

(10 Marks)

Percentage $\geq 90\%$: Grade A

Percentage $\geq 80\%$: Grade B

Percentage $\geq 70\%$: Grade C

Percentage $\geq 60\%$: Grade D

Percentage $\geq 50\%$: Grade E

Percentage $< 50\%$: Grade F

1-b) Write a C program to subtract two matrices.

(10 Marks)

Part: 02

Final Exam

(50 Marks)

Question (2)

[20 marks]

2-a) Draw a flowchart to count the number of odd and even numbers.

(5 Marks)

2-b) Write a C program to take two numbers from user and make all arithmetic operations, and print result for each operation.

(7 Marks)

2-c) By using if-else statement, write a C program that reads the score of a student in three subjects. If the total score of these subjects is greater than or equal 150, then print "Pass", otherwise print "Fail".

(8 Marks)

Question (3)

[15 marks]

3-a) Write a C program to print multiplication table of any number

(7 Marks)

3-b) By using for loop, write a C program to draw the following figure:

(8 Marks)

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Question (4)

[15 marks]

4-a) Write a C program to find maximum and minimum between two numbers using functions.

(7 Marks)

4-b) Write a C program to find sum of minor diagonal elements of a matrix.

(8 Marks)

Good Luck,
Dr. Mahmoud Saafan
Dr. Hesham H. Gad