

* Solver: ~

Tools > Solver amounts to a more elaborate form of Goal Seek. The difference is that the Solver deals with equations with multiple unknown variables. It is specifically designed to minimize or maximize the result according to a set of rules that you define.

Each of these rules defines whether an argument in the formula should be greater than, lesser than, or equal to the figure you enter. If you want the argument to remain unchanged, you enter a rule that the cell that contains it should be equal to its current entry. For arguments that you would like to change, you need to add two rules to define a range of possible values: the limiting conditions. For example, you can set the constraint that one of the variables or cells must not be bigger than another variable, or not bigger than a given value. You can also define the constraint that one or more variables must be integers (values without decimals), or binary values (where only 0 and 1 are allowed).

Once you have finished setting up the rules, click the **Solve** button to begin the automatic process of adjusting values and calculating results. Depending on the complexity of the task, this may take some time..

✓ Solver example

Let's say you have \$10,000 that you want to invest in two mutual funds for one year. Fund X is a low risk fund with 8% interest rate and Fund Y is a higher risk fund with 12% interest rate. How much money should be invested in each fund to earn a total interest of \$1000?

To find the answer using Solver:

1. Enter labels and data:
 - Row labels: Fund X, Fund Y, and total, in cells A2 thru A4.
 - Column labels: interest earned, amount invested, interest rate, and time period, in cells B1 thru E1.
 - Interest rates: 8 and 12, in cells D2 and D3.
 - Time period: 1, in cells E2 and E3.
 - Total amount invested: 10000, in cell C4.
2. Enter an arbitrary value (0 or leave blank) in cell C2 as amount invested in Fund X.
3. Enter formulas:
 - In cell C3, enter the formula C4-C2 (total amount - amount invested in Fund X) as the amount invested in Fund Y.
 - In cells B2 and B3, enter the formula for calculating the interest earned (see below).
 - In cell B4, enter the formula B2+B3 as the total interest earned.

B3 f(x) Σ = =C3*D3/100*E3						
	A	B	C	D	E	F
1		Interest earned	amount invested	Interest rate	time period	
2	Fund X	0	0	8	1	
3	Fund Y	1200	10000	12	1	
4	total	1200	10000			
5						
6						

- Choose **Tools > Solver**. The solver dialog opens.

The Solver dialog box is shown with the following settings:

- Target cell:** \$B\$8
- Optimize result to:** ☒ Maximum, ☐ Minimum, ☐ Value of
- By changing cells:** \$C\$2:\$C\$4
- Limiting conditions:**

Cell reference	Operator	Value
\$C\$2:\$C\$4	<=	\$C\$4
\$C\$2:\$C\$4	>=	0

Buttons at the bottom: Options..., Help, Close, Solve.

The Solver dialog

- Click in the Target cell field. In the sheet, click in the cell that contains the target value. In this example it is cell B4 containing total interest value.
- Select Value of and enter 1000 in the field next to it. In this example, the target cell value is 1000 because your target is a total interest earned of \$1000. Select Maximum or Minimum if the target cell value needs to be one of those extremes.
- Click in the By changing cells field and click on cell C2 in the sheet. In this example, you need to find the amount invested in Fund X (cell C2).
- Enter limiting conditions for the variables by selecting the Cell reference, Operator and Value fields. In this example, the amount invested in Fund X (cell C2) should not be greater than the total amount available (cell C4) and should not be less than 0.
- Click **OK**. A dialog appears informing you that the Solving successfully finished. Click Keep Result to enter the result in the cell with the variable value. The result is shown below.

C3		fx Σ = =C4-C2				
	A	B	C	D	E	F
1		Interest earned	amount invested	Interest rate	time period	
2	Fund X	400	5000	8	1	
3	Fund Y	600	5000	12	1	
4	total	1000	10000			
5						
6						
7						

Result of Solver operation

Seat No.: BCA11028

Enrollment No. 201609590000525

SANKALCHAND PATEL UNIVERSITY
BCA – SEMESTER (1) – EXAMINATION – WINTER 2016

Subject Code: 1CS1010104

Date: 24/11/2016

Subject Name: COMMUNICATION SKILLS -1

Time: 3 Hours

Total Marks: 70

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

Q. 1 A. Define the following parts of speech **6**

1. Verb
2. Preposition
3. Adjective

B. Fill in the blanks with appropriate verb forms: **5**

1. When I ----- the station the train had departed. (reach, reached)
2. She has been ----- these letters since morning. (type, typing)
3. Kindly wait here until Mr. Krishnan ----- (arrived, arrives)
4. My uncle ----- for America yesterday. (leave, left)
5. I am sure I ----- him last night. (saw, have seen)

C. Fill in the blanks with model auxiliaries: **5**

1. The red light is on you ----- stop. (should, would, can)
2. Rohit ----- speak Spanish fluently. (should, can, would)
3. You ----- have discussed it with me first. (might, can, ought to)
4. It ----- rain today. (can, may, must)
5. She ----- swim for miles when she was younger. (could, shall, would)

D. Write antonyms: 1) Conceal 2) Practical th **2**

E. Write synonyms: 1) Demonstrate So 2) Vision **2**

Q. 2 Answer the following questions:

A. Define communication and explain process of communication in detail. **8**

B. Compare and contrast oral and written communication. **6**

OR

~~Q. 2~~ Explain communication gap with reference to barriers in communication and explain how to overcome it? **14**

Q. 3 Answer the following questions: (any three)

12

- A. Explain the steps to improve reading skills.
- ~~B.~~ Explain the difference between listening and hearing
- ~~C.~~ Explain the vocal element Pitch.
- D. What is reading comprehension?

Q. 4 Draft job application and resume in response to the advertisement appeared in *Times Ascent* for the post of Lecturer in Accounts at M. G. Commerce College, Navarangpura 9 Ahmedabad. **12**

OR

Q. 4 Answer the following questions:

- A. Explain 4c's of commercial correspondence. **6**
- B. What are the etiquettes of drafting effective e-mail? **6**

Q. 5 Answer the following questions (any three)

12

- ~~A~~ A. What is the main theme of the poem "Goodbye Party for Miss *pushpa* TS" ?
- ~~B~~ B. *Pushpa* TS?
- ~~C~~ C. Write note on the ending of "After Twenty Years"
- ~~D~~ D. How does the poem "Stopping by Woods on a Snowy Evening" relate to a human being's life?
- ~~E~~ E. Sketch the character of Mr. Bob.

BCA SEM-I Internal Examination Oct-Nov: 2016
Introduction to Office Packages and Operating Platforms

Time:-[1 Hour & 30 Minutes]

[Total Marks: 50]

Q.1 [A] Do as Directed: (Any Five)

05

- | | |
|---------------------------------|---------------------------------|
| 1. What is DOS? | 2. What is Open Office? |
| 3. What is wild card character? | 4. What is Menu? |
| 5. Define control panel. | 6. Extension of Write Document. |

[B] Attempt Any Three.

15

1. What is Internal Dos command? Explain any five Internal Dos Command.
2. What is Folder? Explain various operation on folder
3. Explain various Accessories available in Computer
4. Advantage of apache Open Office.
5. Explain Find and Replace In detail.

Q.2 [A] Do as Directed: (Any Five)

05

The cell which is currently being used is called

- | | |
|---------------------------------|---------------------------------------|
| 1. What is Active Cell? | 2. What is goal seek? |
| 3. List out types of Filtering. | 4. Short Key Of Select All. |
| 5. What is Sorting? | 6. Short Key Of Open Office.org Help. |

[B] Attempt Any Two.

10

1. Write down the step of creating chart in spreadsheet.
2. Explain any five mathematic functions in spreadsheet.
3. What is Mail merge? Write down the step of mail merge.
4. What is Macro? How to create Macro.

Q.3 [A] Do as Directed: (Any Five)

05

- | | |
|---------------------------------|----------------------------------|
| 1. What is database? | 2. What is Slide Transition? |
| 3. What is presentation? | 4. What is relationship? |
| 5. Short cut key of slide show. | 6. Extension of Writer and calc? |

F5

[B] Attempt Any Two.

10

1. What is Table? Write down steps for create table in database.
2. What is slide? Write down step for create a Slide.
3. What is Report? Write down steps for create Report in database.

Best of Luck

26, 11, 2016

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Seat No.: BCA 11028

Enrollment No. 2016095900060525

SANKALCHAND PATEL UNIVERSITY
BCA – SEMESTER (1) – EXAMINATION – WINTER 2016

Subject Code: 1CS1010102

Date: 22/11/2016

Subject Name: Introduction to Office Packages and Operating Platforms

Time: 3 Hours

Total Marks: 70

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

Q.1 Do as Directed.

20

- | | |
|---|--------------------------------------|
| 1. Stand for : DOS and GUI | 11. What is Goal Seek? |
| 2. Define: Wild Card Character. | 12. Define: Hyper Link. |
| 3. What is Linux? | 13. How to create new Folder? |
| 4. Short cut key: Justified. | 14. Extension of Calc. |
| 5. What is Active Cell? | 15. What is Presentation? |
| 6. Short cut key: Spelling and Grammar Checking | 16. Short cut key: Cut, Copy, Paste. |
| 7. What is Open Office? | 17. Define: Query. |
| 8. What is Primary key? | 18. What is Database? |
| 9. Define Control Panel. | 19. Short cut key: Slide Show. |
| 10. What is use of Copy con? | 20. What is Report? |

Q.2 Attempt the Following Question.

- A. What is Batch File? How to create it?**

2

- B. Attempt Any Two.**

12

1. Explain advantage of Open Office.
2. Explain any six External DOS command.
3. Explain components of Control Panel.

Q.3 Attempt Any Two.

12

- A. What is Mail Merge? Write step for Creating Mail Merge.
- B. List out menu and explain View, Insert and Format menu.
- C. Explain Find and Replace option in detail

Q.4 Attempt Any Two.

12

- A. What is Spread Sheet? Explain benefits of its.
- B. Write a step to creating Chart in Calc.
- C. Explain mathematical function with example.

Q.5 Attempt Any Three.

12

- A. What is Slide? How to create custom animation?
- B. What is Impress? Explain advantage of Impress.
- C. What is Table? Write step to create Table.
- D. What is Form? How to create a Form?
