

2101227

**BACHELOR OF VOCATION**  
**Management Financial Services**  
**Subject: Spreadsheet Modelling**  
**Subject Code: GBSE105**  
**Semester: Third**  
**January 2021**  
**Theory (External): 35 Marks**  
**Time: 03 Hours**

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**Instructions to the Students**

1. This Question paper consists of two Sections. All sections are compulsory.
2. Section A comprises 10 questions of objective type in nature. All questions are compulsory. Each question carries 1 mark.
3. Section B comprises 8 essay type questions out of which students need to do any 5. Each question carries 5 marks.
4. Read the questions carefully and write the answers in the answer sheets provided.
5. Do not write anything on the question paper.
6. Wherever necessary, the diagram drawn should be neat and properly labelled

**Roll Number**

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**SECTION -A (SHORT/OBJECTIVE TYPE QUESTIONS)**  
**(10x1=10 Marks)**

- A. Differentiate between Count & countif
- B. To apply Goal Seek command your cell pointer must be in
- The Changing cell whose value you need to find
  - The Result Cell where formula is entered
  - The cell where your targeted value is entered
  - None of above
- C. Differentiate between absolute cell and relative cell.
- D. What are the parameter of VLookUP?
- E. When all the numbers between 0 and 100 in a range should be displayed in Red Color, apply
- Use =if() function to format the required numbers red
  - Apply Conditional Formatting command on Format menu
  - Select the cells that contain number between 0 and 100 then click Red color on Text Color tool
  - All of above
- F. Which of the following is not true regarding Conditional Formatting?
- You can add more than one condition to check
  - You can set condition to look for Bold and apply Italics on them.
  - You can apply Font, border and pattern formats that meets the specified conditions
  - You can delete any condition from Conditional Formatting dialog box if it is not required
- G. In MS-Excel which functions will calculate the number of workdays between 6/9/2013 and 8/12/2013
- Workday
  - Date
  - Networkday
  - Weekday

H. In MS-Excel the view that puts a blue a blue line around each page that would be printed is the

- a) Print Preview
- b) Normal View
- c) Page Break Preview
- d) None of these

I. In MS-Excel what does SUMIF function do?

- a) Adds up cell values based on a condition
- b) Adds all the numbers in a range of cells
- c) Returns a subtotal in a list or database
- d) Both (a) & (b)

J. The Trace Dependence in auditing shows

- a) Which cells are used in current formula
- b) In which formula the current cell is used
- c) Which cells are used in this formula and in which formula this cell is used
- d) None of above

### **SECTION –B (ESSAY TYPE QUESTIONS)**

**(5x5=25 Marks)**

1. What are the role and challenges of spread sheet modeling ? what are the phases of spreadsheet designing? What are five aspects of Modeling Activity.
2. A) Explain financial functions used in Excel.  
B) Write the function with parameters used to calculate the future value of an investment of \$1,000 per month for a period of 5 years. The present value is 0, the interest rate is 5% per year and the payments are made at the end of each month.
3. A) List each of the components of a function, and explain why it is important to ensure that the syntax of the function is correct.  
B) What is the formula for adding 10 days to the current date? Will this formula still be accurate even if today is December 29?
4. A) Explain importance of What if analysis?  
B) What are the different type of charts? explain using Example.

5. A) Explain Pivot table and its advantages.  
 B) Explain Lookup, Vlookup and Hlookup.
6. The Glove Company manufactures and sells two products: work gloves and driving gloves. The company makes a profit of \$12 for each pair of work gloves sold and a profit of \$4 for each pair of driving gloves sold. The labor-hour requirements for the products in each of the three production departments is shown in the table below:

**Labor-Hour Requirements**

Department	Work Gloves	Driving Gloves
Cutting	1	2
Sewing	1	3
Finishing	2	3

Each product must be processed by *each one* of the three departments before it's complete and ready for sale. Reading the table above, for example, each pair of driving gloves must spend two hours in the Cutting Department, three hours in the Sewing Department, and three hours in the Finishing Department before they're complete.

The supervisors of the three departments have estimated that the following numbers of labor hours will be available during the next month:

Cutting 800 hours

Sewing 1,600 hours

Finishing 2,000 hours

Construct a spreadsheet model that:

- 1) Specifies the number of work gloves and driving gloves to manufacture in the next month.
  - 2) Determines the total number of hours required in each of the three departments to produce these amounts.
  - 3) Finds the product mix that yields maximum total profit while keeping within the constraints.
7. Explain Macro and its importance with suitable example.
8. Explain at least Text functions with example.

==END OF PAPER==