



BRAINWARE UNIVERSITY

Library
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Term End Examination 2023

Programme – BBA-2019/BBA-2020/BBA(HM)-2020/BBA-2021/BBA(HM)-2021/BBA(DM)-2021/B.Com.(BF)-Hons-2021

Course Name – Data Analytics using Excel

Course Code - GECS201

(Semester II)

Full Marks : 60

Time : 2:30 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A

(Multiple Choice Type Question)

1 x 15=15

1. Choose the correct alternative from the following :

(i) Observe that the Top/Bottom Rules allows the user to apply conditional formatting to cells that fall within the top or bottom numbers or percentile. Show from the correct alternatives that numbers of items it will allow a user is included in the rule.

- a) The top or bottom 10 items or top or bottom 10% only b) The top or bottom 100 items only
c) empty d) empty

(ii) Explain that the Conditional Formatting function in Excel allows the user to-

- a) Automatically apply formatting based on specific rules or conditions being met b) Automatically apply highlighting to selected cell ranges based on specific rules or conditions being met
c) Automatically change the font of selected cell ranges based on specific rules or conditions being met d) All of the options listed above are applicable

(iii) Outline the following the following formatting options so that we can set the following Conditional Format

- a) Light Red Fill With Dark Red , Yellow Fill With Dark Yellow and Green Fill With Dark Green b) Light Red Fill, Light Yellow Fill and Light Green Fill
c) Light Red Fill With Dark Red d) We can apply any of the formatting detailed in the options above as well as number, border, shading and font formatting.

- (iv) Illustrate Conditional Formatting Rules Options
- Under the Page Layout tab on the Ribbon in the Styles group
 - Under the Insert tab on the Ribbon in the Formatting group
 - Under the Formulas tab on the Ribbon in the Formatting group
 - Under the Home tab on the Ribbon in the Styles group
- (v) Explain Both of the functions, IFERROR and IFNA, are used
- To trap errors in Excel formulas and replace them with another calculation, predefined value or message.
 - To trap errors in Excel functions and replace them with another new function.
 - To trap errors in Excel cell data
 - To trap errors in Excel worksheets
- (vi) State The AVERAGEA function in Excel-
- Get the average of numbers that meet criteria
 - Get the average of numbers that meet criteria
 - Calculates the average of numbers provided as arguments.
 - Get the average of numbers in a selected cell area.
- (vii) Select the correct option: future value or FV in Excel is the value of
- An exact amount at a future date based on an assumed rate of growth.
 - An Excel cell, predicting the future value
 - A fixed asset at a future date based on an assumed rate of growth.
 - A current asset at a future date based on an assumed rate of growth.
- (viii) Select the Future Value (FV) formula from the following:
- $FV = I * (1 + (R * T))$, where I is Investment Amount, R is Interest Rate and T is Number of years
 - $FV = R * (1 + (I * T))$, where I is Investment Amount, R is Interest Rate and T is Number of years
 - $FV = I * (1 / (R * T))$, where I is Investment Amount, R is Interest Rate and T is Number of years
 - $FV = T * (1 + (I * T))$, where I is Investment Amount, R is Interest Rate and T is Number of years
- (ix) Select the correct option for the Excel MIRR function from the following:
- financial function that returns the modified internal rate of return for a series of cash flows, taking into account both discount rate and reinvestment rate for future cash flows.
 - Mathematical function that returns the modified value rate of return for a series of data flows
 - Logical function that returns the logical measurement series of logical data flows, taking into account both changing rate and logical inputs
 - An Excel function that calculates fixed asset at a future date based on an assumed rate of growth.
- (x) Observe the nature of PMT function
- The payment returned by PMT does not include taxes and interest but will include any deduction amount and fees.
 - Provide an Excel add-in program that provides cost analysis tools for business data analysis
 - The payment returned by PMT does not include principal and interest but will include any taxes, reserve payments, or fees.
 - The payment returned by PMT includes principal and interest but will not include any taxes, reserve payments, or fees.
- (xi) Identify Histograms, pie charts and frequency polygons are all types of
- One dimensional diagram
 - Three dimensional figure
 - Two dimensional diagram
 - Cumulative diagram
- (xii) Select the correct alternatives that Histograms and pie charts are classified as one dimensional diagrams because only
- Width is considered
 - Length and width, both considered
 - Breadth is considered
 - Length is considered

(xiii) Identify the tool that can help user change automatic or manual calculation mode in MS Excel?

- a) Calculation and mark, the corresponding radio button
- b) A double CAL indicator on status bar
- c) From the format tab
- d) From the view tab

(xiv) Select the types of histograms that includes

- a) Deviation bar charts
- b) Paired bar charts
- c) Grouped charts
- d) All of them

(xv) Select the following options that Microsoft Excel function returns

- a) A converted to number with a specified format.
- b) A formatted with table with a specified format.
- c) a value converted to with a specified format
- d) A tabular data converted to with a specified format.

Group-B

(Short Answer Type Questions)

3 x 5=15

- 2. Describe the cell address in Excel? (3)
- 3. How can you wrap the text within a cell? (3)
- 4. What do you mean by Relative cell referencing and Absolute cell referencing in MS Excel? (3)
- 5. Explain any 2 excel function in ms-excel (3)
- 6. Explain workbook protection types in Excel. (3)

OR

Explain the various statistical functions and Regression Analysis in Excel (3)

Group-C

(Long Answer Type Questions)

5 x 6=30

- 7. What is the difference between count, counta, and countblank? (5)
- 8. What are the difference between ISERROR & IFERROR? (5)
- 9. Explain few useful functions in Excel. (5)
- 10. Explain the working of IF function in Excel (5)
- 11. Explain workbook protection types in Excel. (5)
- 12. Explain Lookup() function. What is the use of LOOK UP function in MS Excel? (5)

OR

Explain the formula to calculate interest in Excel? (5)
