



BRAINWARE UNIVERSITY

Term End Examination 2023

Programme – BBA-2022/BBA(DM)-2022/BBA(HM)-2022/B.Com.(BF)-Hons-
2022/B.Physiotherapy-2022/B.Sc.(MLT)-2022/B.Sc.(PA)-2022

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) 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 no of items it will allow a user is included in the rule.
- a) The top or bottom 10 items or top or bottom 10% onl()
b) The top or bottom 100 items onl
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) Automaticall apply highlightig to selected cell rages based o specific rules or coditios beig met()
c) Automatically change the font of selected cell ranges based on specific rules or conditions being met
d) Any one of the aforesaid options
- (iii) IllustrateThe following IF formula =IF(C2=0, \"Sorry, an error has occurred\", B2/C2)will be used
- a) To replace a cell C2 with zero error with the original message
b) To replace the value of B2/C2 with the original message
c) To replace a \"divide by zero error\"™ with the original message
d) To replace a divide by zero error with numeric 0
- (iv) Outline the following the following formatting options so that we can set the following Conditional Format

- a) Light Red Fill With Dark Red ,ellow Fill With Dark ellow and Green Fill With Dark Green
- b) Light Red Fill, Light ellow Fill ad Light Gree Fill
- c) Light Red Fill With Dark Red
- d) We can apply any of the formatting detailed in the aforesaid options as well as number, border, shading and font formatting.
- (v) Explain Both of the functions, IFERROR and IFNA, are used
- a) To trap errors in Excel formulas and replace them with another calculation, predefined value or message.
- b) To trap errors in Excel functions and replace them with another new function.
- c) To trap errors in Excel cell data
- d) To trap errors in Excel worksheets
- (vi) Choose from the correct alternatives that PMT calculator key in Excel is used for
- a) Solve for private maturity payment
- b) Solve for periodic and monthly payment
- c) Solve for annuity payment
- d) Solve for private monthly payment
- (vii) Select from the correct options that future value or FV in Excel is the value of
- a) A exact amount at a future date based o a assumed rate of growth.()
- b) A Excel cell, predicting the future value()
- c) A fixed asset at a future date based on an assumed rate of growth.
- d) A current asset at a future date based on an assumed rate of growth.
- (viii) Select The AVERAGEA function in Excel-
- a) Get the average of numbers that meet criteria
- b) Calculates the average (arithmetic mean) of a group of supplied values.
- c) Calculates the average of numbers provided as arguments
- d) Get the average of numbers in a selected cell area
- (ix) Select the Correct Alternatives:The function STDEV.S returns
- a) The Standard deviation of a supplied set of values
- b) The Correlation of a supplied set of values
- c) The Median of a supplied set of values
- d) The mode of a supplied set of values
- (x) Match the Following:Histograms, pie charts and frequency polygons are all tpes of
- a) One dimensional diagram
- b) Three dimensional figure
- c) Two dimensional diagram
- d) Cumulative diagram
- (xi) Apply the correct function that Excel provides to calculate nominal interest rate, for given effective annual interest rate and the number of compounding periods per year,
- a) Excel NOMINAL function
- b) Excel NOMINAL-RATE function
- c) Excel RATE function
- d) Excel EFFECTIVE-RATE function
- (xii) Identify difference between AVERAGEA and AVERAGE is-
- a) AVERAGEA is a logical function, whereas AVERAGE is a mathematical fuction
- b) AVERAGEA function is ot applicable in Excel()
- c) AVERAGEA will also evaluate the logical values TRUE and FALSE, and numbers represented as when they appear in cell references, whereas AVERAGE just skips these values.
- d) AVERAGEA is a function found in Excel 2010, whereas AVERAGE is a function used in previous versions of Excel
- (xiii) The mean of a distribution is 14 and the standard deviation is 5. Solve coefficient of variation?
- a) 0.604
- b) 0.357
- c) 0.483
- d) 0.278
- (xiv) Identify the tool that can help user change automatic or manual calculation mode in MS Excel?

- a) Calculation ad mark, the corresponding radio button
- b) A double CAL indicator on status bar
- c) From the format tab
- d) From the view tab
- (xv) Identify that the function =ISNUMBER (A1) will return
 - a) TRUE if A1 contains a number or a formula that returs a numeric value.
 - b) TRUE if A contains the number 1
 - c) TRUE if A1 contains a non-zero number only
 - d) TRUE if A1 contains a formula that returns a

Group-B

(Short Answer Type Questions)

3 x 5=15

- 2. What is Microsoft Excel? (3)
- 3. Explain cell address in Excel. (3)
- 4. Develop the steps involve for the quickest way to return to a particular area of a worksheet, (3)
- 5. Explain the Text Function in Excel (3)
- 6. Explain structured references? (3)

OR

Explain commonly used file formats in which an Excel file can be saved? (3)

Group-C

(Long Answer Type Questions)

5 x 6=30

- 7. Define Ribbon (5)
- 8. List the use of various Logical function with a proper example. (5)
- 9. Explain Nper in Excel, with proper example. (5)
- 10. Develop the use of nested if function in Excel (5)
- 11. Examine Dynamic Range in 'Data Source' of Pivot Tables? (5)
- 12. Develop use of comment with proper Example? (5)

OR

Construct to add comments to a cell. (5)
