GL BAJAJ
Institute of Management & Research. PGDM Institute
FIND YOUR SPARK
GREATER NOIDA   (Approved by A.I.C.T.E., Ministry of HRD, Govt. of India)

Roll No…………

Plot No. 2, Knowledge Park-III, Greater Noida (U.P.) –201306

POST GRADUATE DIPLOMA IN MANAGEMENT (2021-23)
MID TERM QUIZ EXAMINATION (TERM -III)

Subject Name: **Business Analytics**	Time: **01.00 hrs**
Sub. Code: PGIT-32	Max Marks: **20**

Note:
1. Writing anything except Roll Number on Quiz paper will be deemed as an act of indulging in unfair means and action shall be taken as per rules.
2. There is no negative marking for wrong answer.
3. Tick marks the correct answer.

Attempt all questions. All Questions cover CO1 and CO2   **40×0.5 = 20 Marks**

1. MS-EXCEL can be used to automate
    a. Financial statements, Business forecasting.
    b. Transaction registers, inventory control
    c. Accounts receivable, accounts payable
    d. Any of the above
Answer Key : D

2. Which of the following is least affected by outliers?
    a. Range
    b. Mean
    c. **Median**
    d. Standard Deviation
Answer Key : C

3. What is the minimum number of observations required in the sample to make it adequate in size, for parametric purposes?
    a. 50
    b. 10
    c. **30**
    d. 90
Answer Key : C

4. One should conduct all possible statistical tests on a given set of data.
    a) TRUE
    b) **FALSE**
Answer Key : B

5. Microsoft Excel cannot be used for calculating measures of central tendency along with standard deviations.
    a) TRUE
    b) **FALSE**
Answer Key : B

6. What is an interval scale?
   a) Categories without any order.
   b) Ordered categories with different distances.
   c) Ordered categories with constant distance.
   d) Ordered categories with constant distance and a meaningful zero.
ANSWER: C

7. Which scale should we use with a perceptive question?
   a) A ratio scale.
   b) A categorical scale.
   c) An ordinal scale.
   d) None of these
ANSWER: D

8. What is a confidence interval?
   a) The probability that answers will fall within a predefined interval.
   b) The margin of error that we accept in our results.
   c) The estimated distribution of responses.
   d) The sample size.
ANSWER: B

9. Which of the following is NOT a measure of central tendency?
   a) Mean.
   b) Variance.
   c) Median.
   d) Mode.
ANSWER: B

10. Which of the following is NOT a measure of dispersion?
   a) Range.
   b) Variance.
   c) Standard Deviation.
   d) Skewness.
ANSWER: D

11. The ___ is the arithmetic value that occurs most frequently in a data set.
   a) mean
   b) mode
   c) median
   d) standard deviation
ANSWER: B

12. The ___ is a measure of how widely the data values are dispersed from the arithmetic mean.
   a) Mean
   b) mode
   c) median
   d) standard deviation
ANSWER: D

13. The MODE.SNGL, MEDIAN, and STDEV.S functions work in a similar way, containing only one type of argument, which is ___.

a) sort order
b) a list of values
c) ranking parameters
d) None of these

ANSWER: B

14. The ___ function randomly assigns a number between two specified values.
    a) RANGERANDOM
    b) INBETWEEN
    c) RANDBETWEEN
    d) RANDOM

ANSWER: C

15. The ___ function returns a random value between 0 and 1.
    a) RANDUNDER
    b) RANDZERO
    c) RAND
    d) RANDONE

ANSWER: C

16. The formula =RANDBETWEEN(1,3) randomly returns a(n) ___.
    a) integer with three numbers
    b) 1, 2, or 3
    c) number with three decimal places
    d) none of the above

ANSWER: B

17. The independent variable is used to explain the dependent variable in _____.
    a) Linear regression analysis
    b) Multiple regression analysis
    c) Non-linear regression analysis
    d) None of the above

ANSWER: A

18. Which of the following statements is true about the regression line?
    a) A regression line is also known as the line of the average relationship
    b) A regression line is also known as the estimating equation
    c) A regression line is also known as the prediction equation
    d) All of the above

ANSWER: D

19. Which of the following techniques is an analysis of the relationship between two variables to help provide the prediction mechanism?
    a) Standard error
    b) Correlation
    c) Regression
    d) None of the above

ANSWER: C

20. On a worksheet, you have 12 columns showing monthly sales figures, and 15 rows, 1 row per product. How could you create 15 yearly trendline charts for each product, and fit them neatly on the page?

a) On the Insert tab, click the Store button. Download the free extension called MiniChart. Select the data, then run the extension.
b) Create 15 trendline charts. Select them, then from the Page Layout tab, choose AutoFit.
c) Insert a trendline chart, and use the option for One Chart Per Row.
d) On the Insert tab, choose Sparklines

ANSWER: D

21. One way to measure the spread is to calculate the difference between the third and first quartile. This measure is called
a) The inter quartile range
b) The mid quartile
c) The differential quartile
d) None of these

ANSWER: A

22. Excel function VARP is used to calculate
a) The variance of the proportions
b) The variance of the population
c) The variance of percentages
d) None of these

ANSWER: B

23. Which of the following is not a statistical function?
a) AVERAGEIF
b) MAX
c) COUNTIFS
d) DSUM

ANSWER: D

24. In which scale of measurement, classification, order and absolute zero are ensured?
a) Nominal
b) Ordinal
c) Interval
d) Ratio

ANSWER: D

25. Data Analysis toolpack can be activated in
a) Formula Tab
b) Excel Options
c) Review Tab
d) Developer tab

ANSWER: B

26. When active, where does the Analysis Toolpack appear...?
a) View Tab
b) Data Tab
c) Review Tab
d) Developer tab

ANSWER: B

27. What is the procedure for performing a regression in Microsoft Excel?
a) Highlight the input ranges and then enter the correct formula for regression.

    b) Click on the Data Tab in Excel and then use the Data Analysis tool to fill in a dialog box pertaining to regression.
    c) Choose the output cell and enter : =regression(A1:B10)
    d) Regression cannot be computed in Excel; you must computer multiple other functions and that imply the results of a regression.

ANSWER: B

28. Which is an example of a trendline option in excel charts?
    a) Bar
    b) Exponential
    c) Radar
    d) Stock

ANSWER: B

29. Which is true about Trendline?
    a) They can be added to 3D charts
    b) They can be added to pie charts
    c) They cannot be used to predict future values
    d) They correspond directly to data in the spreadsheet

ANSWER: D

30. Gridlines in Excel
    a) May be turned off for display but turned on for printing
    b) May be turned on or off for printing
    c) The be turned off for display and printing
    d) a, b and c

ANSWER: D

31. What feature enables you to adjust the value in a cell to reach a desired outcome in a chart?
    a) Goal Seek
    b) Scenario Summary report
    c) Forecasting
    d) Trend line

ANSWER: D

32. The Excel feature that suggests charts based upon your data.
    a) Quick Analysis
    b) Chart tools
    c) Recommended Charts
    d) None of these

ANSWER: A

33. A type of chart that shows trends over time.
    a) trendline
    b) column
    c) line
    d) None of these

ANSWER: C

34. Which worksheet function returns the slope of the linear regression line?
    a) SLOPE

b) SLOPLINREG
c) LINSTOP
d) SLOPELIN

ANSWER: A

35. In an example, I have two sets of values (Known_y's and Known_x's). Using this in SLPE function, will it be possible to do forecasting?
    a. True
    b. False

ANSWER: A

36. In simple regression equation, the number of variables are
    a. One
    b. Two
    c. Three
    d. Zero

ANSWER: B

37. If the equation of the regression line is y=5 , then what result will you take out from it?
    a. The line passes through the origin
    b. The line passes through (5, 0)
    c. The line is parallel to the y-axis
    d. The line is parallel to the x-axis

ANSWER: D

38. If Y=2+.06X, then the value of Y-intercept will be
    a. 0.6
    b. 2
    c. X
    d. Y

ANSWER: B

39. In the model Y= mX+c , Y is also known as the:
    a. Predictor variable
    b. Independent variable
    c. A predicted (dependent) variable
    d. Explanatory variable

ANSWER: C

40. The value of the skewness always lie between
    a. -1 to +1
    b. 0 to -1
    c. -1 to 0
    d. None of these

ANSWER: D

41. If the value of the kurtosis is equal to zero, it means
    a. Normal Distribution
    b. Abnormal Distribution
    c. Peak is short and broad
    d. Peak is high and thinner

ANSWER: A

Mapping of Questions with Course Learning Outcome

Question Number	COs	Bloom's taxonomy level	Marks Allocated
Q. 1:			
Q. 2:			
Q. 3:			
Q. 4:			
Q. 5:			

Note: Font: Times New Roman, Font size: 12.