21ECO2S2L/P

M.A. II Semester Degree Examination, Sept./Oct. - 2024
ECONOMICS
Software for Data Analysis
(NEP)

Time : 1 Hour   Maximum Marks : 30

Notes : *(i)*   *Answer **all** the following questions.*

   (ii)   *Each question carries **1** marks.*

1. Which of the following is an example of Ratio Scale data ?
    (A) Brand of a Car   (B) Colour of a Car
    (C) Model of a Car   (D) Weight of a Car

2. Which of the following prevents users from adding, moving, deleting or renaming worksheets ?
    (A) Protection of a workbook   (B) Formatting of a workbook
    (C) Reviewing of a workbook   (D) Conditional formatting

3. A Histogram is used to represent which of the following data ?
    (A) Counts   (B) Percentages
    (C) Frequency   (D) Both (A) and (B)

4. Left side view of default screen of Jamovi displays :
    (A) Data   (B) Variables
    (C) Results   (D) Both (A) and (B)

5. In Excel, the feature which allows the data to be organised and displayed as per user defined conditions is termed as :
    (A) Protection of a workbook   (B) Referencing of a workbook
    (C) Reviewing of a workbook   (D) Conditional formatting

6. Predefined calculation already built into Excel, which is ready to use is termed as :
    (A) Formula   (B) Function   (C) List   (D) Array

7. Rectangular shaped box which is a unit of the spreadsheet is called :
(A) Array   (B) Worksheet   (C) Cell   (D) Workbook

8. Which of the following function allows us to make logical comparisons between a value and what is expected ?
(A) COUNT   (B) SUM   (C) CUSUM   (D) IF

9. Which of the following function allows searches across columns ?
(A) HLOOKUP   (B) VLOOKUP   (C) SUM   (D) AND

10. Contingency tables in excel can be inserted by using which of the following feature ?
(A) Flash fill   (B) PIVOT TABLE
(C) Conditional Formatting   (D) Charting

11. Which of the following is an extension for an Excel file ?
(A) *.excel   (B) *.exe   (C) *.xlsx   (D) *.docx

12. Which of the following is a measure of the spread of the data about the mean ?
(A) Geometric Mean   (B) Harmonic Mean
(C) Standard Deviation   (D) Kurtosis

13. Which of the following refers to the degree to which a pair of variables are linearly related ?
(A) Harmonic Mean   (B) Geometric Mean
(C) Correlation   (D) Arithmetic Mean

14. Which of the following is used to analyse differences of means among groups ?
(A) Correlation   (B) ANOVA   (C) Mode   (D) Kurtosis

15. Monthly instalment payments can be calculated using which of the following Excel functions ?
(A) HLOOKUP   (B) AVERAGE   (C) SUM   (D) PMT

16. Chi square goodness of fit test is performed on which of the following data ?
(A) Ratio Scale data   (B) Categorical data
(C) Corrupted data   (D) Missing data

17. Jamovi can be installed on which of the following OS ?

(A)   Windows   (B)   Linux   (C)   macOS   (D)   All of the above

18. Which of the data formats can be opened in Jamovi ?

(A)   SAS *bdat*   (B)   SPSS *sav*   (C)   CSV   (D)   All of the above

19. Which of the following Jamovi version can be run without installation on a computer/device ?

(A)   Jamovi Desktop   (B)   Jamovi Enterprise

(C)   Jamovi Studio   (D)   Jamovi Cloud

20. Which of the following Jamovi's data measure type is used for variables that contain identifiers such as names ?

(A)   Continuous   (B)   Nominal   (C)   Ordinal   (D)   ID

21. A Variable that takes the values based on a computation on other variables is termed as :

(A)   Computed variable   (B)   Monotonic variable

(C)   independent variable   (D)   Missing variable

22. In Jamovi, the rows that don't want to be included in the analysis can be removed by :

(A)   Importing   (B)   Filtering   (C)   Sorting   (D)   Both (A) and (C)

23. The Keyboard shortcut for pasting data in Excel is :

(A)   Ctrl+X   (B)   Ctrl+Z   (C)   Ctrl+V   (D)   Ctrl+A

24. Jamovi's feature that allows additional external code to be used is :

(A)   Syntax mode   (B)   Turbo mode   (C)   Library   (D)   Filters

25. Correlation coefficient estimated using Jamovi lies between the values :

(A)   -1 and +1   (B)   -2 and +2   (C)   -1 and 0   (D)   0 and +1

26. In the linear regression model, $y = \beta_0 + \beta_1 X + \varepsilon$, parameter estimate β_0 represents :

(A)   Slope of X   (B)   intercept of X

(C)   Variance of X   (D)   Skewness of X

27. Scatterplot is usually used to showcase which feature of the data ?

(A) Patterns in data   (B) Correlations among variables

(C) Outliers in data   (D) All of the above

28. To count the number of blanks among Excel cells, which function is used among the following ?

(A) COUNTIF   (B) COUNTIFS

(C) COUNTBLANK   (D) COUNT

29. Data validation means :

(A) Checking the correct data

(B) Calculating descriptive statistics

(C) Calculating inferential statistics

(D) Hypothesis testing

30. The chart in Excel best suited for displaying the marks scored by a class of students in a given course is :

(A) Pie chart   (B) Histogram   (C) Bar chart   (D) Donut chart

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