Question Booklet Code	**21ECO2S2T**
A	

Question Booklet Serial Number

M.A. II Semester (NEP) Degree Examination, October - 2023

ECONOMICS

Software for Data Analysis

Time : 1 Hour   Maximum Marks : 30

INSTRUCTIONS TO CANDIDATES

1.   The Question Paper will be given in the form of a Question Booklet. There will be four/two versions of Question Booklets with Question Booklet Code viz. **A**, **B**, **C** & **D** / **A** & **B** / **A** only.

2.   The Question Booklet Serial Number is printed on the top right margin of the facing sheet. If your Question Booklet is un-numbered, please get it replaced by new Question Booklet with same Code.

3.   Immediately after the commencement of the examination, the candidate should check that the Question Booklet supplied to him contains all the 30 questions in serial order. The Question Booklet does not have unprinted or torn or missing pages and if so he/she should bring it to the notice of the Invigilator and get it replaced by a complete booklet with same Code. This is most important.

4.   A blank sheet of paper is attached to the Question Booklet. This may be used for Rough Work.

5.   **Please read carefully all the instructions on the top of the Answer Sheet before marking your answers.**

6.   Each question is provided with four choices **(A)**, **(B)**, **(C)** and **(D)** having one correct answer. Choose the correct answer and darken the bubble corresponding to the question number using **Black Ball-Point Pen** in the OMR Answer Sheet.

7.   No candidate will be allowed to leave the examination hall till the end of the session and without handing over his/her Answer Sheet to the Invigilator.

8.   Strict compliance of instructions is essential. Any malpractice or attempt to commit any kind of malpractice in the Examination will result in the disqualification of the candidate.

9.   First fifteen minutes is provided to fill the general information of the Student. Eg. Student Name, Student ID, etc. in the OMR Answer Sheet

10.   Without the instruction of the Invigilator do not open the Question Paper Booklet Seal.

1. A single page in a file prepared with Microsoft Excel is referred to as :

(A) Workbook   (B) Worksheet

(C) Cell   (D) Ribbon

2. Preventing users from viewing hidden worksheets, adding, moving, deleting or hiding worksheets and renaming worksheets is referred to as :

(A) Protecting a workbook   (B) Redacting a workbook

(C) Reviewing a workbook   (D) Conditional formatting

3. Which of the following functions in Excel is used to add a range of cells, an entire column or non-contiguous cells together ?

(A) Add   (B) SUM

(C) CUSUM   (D) None of the above

4. Which of the following functions is used to sum the values in a range that meet a specified criteria ?

(A) SUM   (B) SUMMAX

(C) SUMIF   (D) None of the above

5. To count only numbers that meet certain criteria, which of the following functions is used ?

(A) COUNT   (B) SUM

(C) CUSUM   (D) COUNTIF

6. Which of the functions is used to count the number of empty cells in a range of cells ?

(A) COUNTIFBLANK   (B) BLANK

(C) BLANKS   (D) COUNTBLANK

7. Which of the following features automatically fills the data when it senses a pattern ?

(A) FORMAT   (B) CONSOLIDATE

(C) FLASHFILL   (D) COUNTA

8. Which EXCEL function measures Arithmetic Mean of a group of numbers in a statistical distribution ?

(A) ADDIF

(B) AVERAGE

(C) CUSUM

(D) ADD

9. Pie Chart is used to represent which of the following aspect of Data ?

(A) Variance

(B) Standard Deviation

(C) Proportions or ratios

(D) Average

10. Standard deviation measures which aspect of data ?

(A) Location of Central measure

(B) Spread in the data

(C) Thickness of tails

(D) None of the above

11. ANOVA stands for :

(A) Analysis of Variance

(B) Analysis of Variables

(C) Asymmetric Normalized Variable

(D) None of the above

12. Jamovi can be used for :

(A) Correlation

(B) Regression

(C) Graphing

(D) All the above

13. Goodness of fit for Categorical data can be analyzed by :

(A) Runs test

(B) T test

(C) Chi square test

(D) Durbin Watson test

14. Jamovi is built on top of the which statistical language ?

(A) Python   (B) Java

(C) R   (D) SPSS

15. Jamovi which can be used directly from the browser without installation is :

(A) Jamovi Cloud   (B) Jamovi Desktop

(C) JMP   (D) Fedora

16. Which of the following is NOT an example of categorical data ?

(A) Gender   (B) Hair Colour

(C) Shoe Size   (D) Weight of a human being

17. A Histogram is used to represent :

(A) Continuous Data   (B) Categorical Data

(C) Both (A) and (B)   (D) None of the above

18. The table in a matrix format that displays the (multivariate) frequency distribution of the variables is :

(A) Boxplot   (B) Contingency Table

(C) Vector   (D) None of the above

19. Pivot table is useful for :

(A) Summarizing, analysing and exploring Data.

(B) Filtering, grouping, sorting and conditionally formatting different subsets of data.

(C) Both (A) and (B).

(D) None of the above.

20. VLOOKUP and HLOOKUP functions in Excel are used to :

(A) Find and retrieve data from a table or range based on a given value

(B) Transform the data

(C) Delete data

(D) None of the above

21. Scatterplot uses which of the following to represent data ?

(A) Dots   (B) Rectangular Bars

(C) Connected lines   (D) Angles

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

(A) -3 and $+3$ (B) -1 and 0

(C) -1 and $+1$ (D) 0 and $+1$

23. Mean Square value of ANOVA Table in Jamovi is equal to :

(A) *Sum of Squares * degrees of freedom*

(B) $\dfrac{Sum\ of\ Squares}{degrees\ of\ freedom}$

(C) *Sum of Squares + degrees of freedom*

(D) *Sum of Square − degrees of freedom*

24. Each cell is an Excel worksheet contains an address, which is defined by :

(A) Column letter followed by a Row number

(B) Row number followed by a Column letter

(C) Column number followed by a Row number

(D) None of the above

25. Upper area of the Excel screen that contains several tabs running across the top is called :

(A) Label   (B) Bezel   (C) Ribbon   (D) Dial

26. In Excel, formulas always start with :

(A) + sign   (B) * sign   (C) = sign   (D) $ sign

27. The highest numeric value in a group of numbers is given by the function :

(A) MIN   (B) MAX   (C) IF   (D) AND

28. The number that appears most frequently in a group of numbers :

(A) Median   (B) Mode

(C) Harmonic Mean   (D) Geometric Mean

29. The Function SORT helps in arranging data :

(A) Smaller value to larger value

(B) Larger value to Smaller value

(C) Both (A) and (B)

(D) None of the above

30. Which of the following is a data type in Jamovi :

(A) Integer   (B) Decimal

(C) Text   (D) All of the above

- o 0 o -

SPACE FOR ROUGH WORK

SPACE FOR ROUGH WORK