Reg No:..... K24FY1262
Name :.....

First Semester FYUGP Statistics Examination
November 2024 (2024 Admission onwards)
KU1MDCSTA141 (BASICS OF STATISTICS)
(EXAM DATE : 29-11-2024)

Time : 90 min Maximum Marks : 50

Part A (Answer any 6 questions. Each carries 2 marks)

1. Write the following ratios in its simplest form: (a) 12:21 (b) 46:23 2
2. Find 10th term of the series 3, 1, -1,-3..... 2
3. Solve the following equation $7(5-x)-3x=2(3x-5)-3x$ 2
4. Define simple growth rate. 2
5. Explain quantitative and qualitative data. 2
6. Explain geographical data with example 2
7. Define time series data. 2
8. Explain the importance of collecting data. 2

Part B (Answer any 4 questions. Each carries 6 marks)

9. Define ratio. If the ratio of boys to girls in a class is 3:5, how many boys are there if there are 40 girls? 6
10. Solve $4x+2y=6, 5x+y=6$. 6
11. Find the compound interest on Rs. 2000 at 7 % for 5 years. 6
12. Briefly explain types of data, based on nature 6
13. What are different scales of measurement of data? Describe the difference between nominal and ordinal scales with suitable examples. 6
14. The following is a record of the sizes of 25 shoes sold at a shoemart on a particular day. Prepare an ungrouped frequency table

$$6,4,8,6,5,12,8,10,3,5,8,6,10,10,7,7,7,9,7,4,10,8,5,6,3$$

6

Part C (Answer any 1 question(s). Each carries 14 marks)

15. (a) Briefly explain number system. 7
    (b) If the ratio of parrot to squirrel is 4:7 and there are 28 parrots, how many squirrels are there? 7
16. Explain methods of various graphical representation of a frequency distribution. 14

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