

B A, BSC, BCOM DEGREE END SEMESTER EXAMINATION – MARCH 2026**UGP (HONS.) SEMESTER – 4: – DISCIPLINE SPECIFIC COURSE****COURSE: 24UEMSDSC208 – STATISTICAL TOOLS FOR QUALITATIVE RESEARCH***(For Regular 2024 Admission)*

Time: 2 Hours

Max. Marks: 70

*(Use of Scientific calculators and Statistical tables permitted)***PART A*****Each question carries 2 mark. Maximum marks from this part is 10***

1. Quote an example for staple scale. (CO 1 , A)
2. Define paired comparison scale. (CO 1 , U)
3. Define Ethics in qualitative data analysis. (CO 2, U)
4. List any 2 principles of ethics. (CO 2 , U)
5. Define non-parametric test. (CO 3, U)
6. Identify the test statistic for Chi Square test of independence. (CO 3 , U)
7. Define Friedman Two-way ANOVA test. (CO 3, U)
8. State the test statistic for Sign Test. (CO 3, U)

PART B***Each question carries 5 marks. Maximum marks from this part is 30***

9. Illustrate the procedure for Kuruskal Wallis with an example. (CO 3, A)
10. Explain in detail the procedure for Mann Whitney U test. (CO 3, U)
11. A researcher conducts a survey to find out whether the inhabitants of a metro town are in favor of capital punishment (F) or against it (A). The sequence of responses to the question asked is given below . Use the run test at level of significance 0.05 to test whether the responses are random.
FF A FFF AAAAA FF AAA FF AAAAAA FF AAAAAA FFF AAA F A FFFF AAAAA FFF AAA FF.
(CO 3, An)
12. Outline the procedure for performing a Chi-Square test of independence and write the corresponding R code. (CO 4, An)
13. Discuss different types of reliability in good of measurement. (CO 1, U)
14. Explain Paired comparison scale using an example. (CO 1, A)

15. Compare and Contrast Fabrication and Plagiarism. (CO 2, U)
16. Summarize any two techniques used for data reduction. (CO 2, U)

PART C

Each question carries 15 marks. Maximum marks from this part is 30

17. Define Qualitative data. Explain in detail the various sources in collecting qualitative data. (CO 2, U)
18. Define ranking scales of measurement. Discuss in detail different ranking scales of measurement using examples. (CO 1, A)
19. The number of fatalities is listed below for the different days of the week. At 5% of significance, test the claim that accidents occur on different days with equal frequency

Day	Mon	Tue	Wed	Thur	Fri	Sat	Sun
No of Fatalities	31	20	20	22	22	29	36

(CO 3, An)

20. A survey was conducted to understand the preference for the fast food by the inhabitants of a small town . A sample of 100 respondents indicate that 54 do not prefer fast food whereas 46 have a preference for the fast food. By using a sign test examine the hypothesis that half of the inhabitants of the town prefer fast food. Let the level of significance be 5%. (CO 3, An)