

## **Paper –404 Statistical Inference – II**

### **1. Main Objectives :**

- To acquaint the students with various statistical technique used in psychology

### **2. The Scheme of question paper:**

1. The paper will consist five units:
2. Each Unit Should be given equal weight age in examination
3. Student can use logbook, calculator and Half formula at the time of examination
4. The student will have to submit journal before the start of the university examination of MA semester IV to the control of examination Hem.N.G.Uni. Patan
5. Total Marks are: 100. : Distribution of Marks :
  - A. 60: External Examination
  - B. 10: Journal
  - C. 30: Internal evaluation(Duration of examination: 3 hours)

### **Unit – 1**

Bartlests test of homogeneity of variance for K Variance (Equal – unequal degree of freedom)  
Non Parametrics Tests  
Median test  
Extension of Median test  
Mann – Whitney Test

### **Unit – 2 Non- Parametrics tests**

Kolmogorov – smirnov two sample test  
Wilcoxon matched pairs signed Variance

### **Unit – 3**

Cochran, Q Test  
Friedman Two way Analysis of Variance

### **Unit – 4**

Kruksal Wallis One way Analysis of Variance  
 $X^2$  test for independent sample

### **Books**

1. Broota, K.D. (1989) Experimental Design in Behavioural Research  
Bombay Wiley eastern, Ltd.
2. Guilford, J.P.(1954) Fundamental statistics in psychology and education  
New York, Mc Graw Hill Book Company.
3. Peatman : S.Non-parametric statistics for the Behaviour Science Edition,  
New York McGraw Hill Book Co.