

Seat No. : \_\_\_\_\_

**AC2-23**

**April-2018**

**T.Y. M.Sc. (CA & IT) Integrated, Sem.-VI**

**Research Methodology**

**Time : 3 Hours]**

**[Max. Marks : 50**

**Note :** Statistical table will be provided on request.

1. (a) Describe briefly the significance of research. **10**  
(b) Write about : (any **two**)
  - (i) Quantitative and Qualitative Research
  - (ii) Descriptive and Analytical Research
  - (iii) Applied and Fundamental Research
  
2. Answer any **one** : **10**
  - (a) What are the merits and demerits of questionnaire ?
  - (b) What do you mean by Sample design ? What points should be taken into consideration in developing a sample design ?
  
3. Answer any **one** : **10**
  - (a) What are the generally accepted principles of tabulating the data ?
  - (b) Describe in brief the processing operations on the data after collection.
  
4. Answer any **one** : **10**
  - (a) What is the significance of writing a report ? Describe various steps involved in writing report.
  - (b) Write briefly about various types of Reports.

5. Answer any **one** :

**10**

- (a) In a survey of eight documents, the number of errors made by each brand of the two scanners A and B are given below :

Documents :    1    2    3    4    5    6    7    8

Brand A     :   17   29   18   14   21   25   22   29

Brand B     :   21   38   15   19   22   30   31   37

Can it be inferred at 5% level of significance that Brand A is better than Brand B ?

- (b) Six months ago a survey was conducted to know the degree of support for a national party leader. On a sample of 1100, 56% indicated that they would vote for this party leader. This month another survey of 800 voters reveals that 46% now support the leader.

At 5% level of significance can we infer that national leader's popularity has decreased ?

---