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**SARDAR PATEL UNIVERSITY**  
**M.COM. (4<sup>th</sup> Semester) Examination (CBCS)**  
**RESEARCH METHODOLOGY- II – PB04CCOM21**

Time: 2:00 pm to 5:00 pm

Total Marks: 70

Date: 28-03-2019, Thursday

Note: Figures to the right indicates full marks of the questions.

**SECTION - I**

- Q.1 Distinguish between schedule and questionnaire and discuss the types of (17)  
interview.

**OR**

- Q.1 What is secondary data? And state its sources, advantages and limitations. (17)
- Q.2 Describe processing of data editing, coding, classification and tabulation. (18)  
And state its problems.

**OR**

- Q.2 Distinguished between data and information. Discuss the types of data analysis. (18)

**SECTION - II**

- Q.3 What is ANOVA? Discuss t-test in detail with illustrations. (17)

**OR**

- Q.3 (A) The following table gives the yields on 15 sample fields under three varieties of (12)  
seeds (viz., A, B, C).

A	B	C
20	18	25
21	20	28
23	17	22
16	25	28
20	15	32

Test at 5% level of significance whether the average yields under different varieties of seed show significant differences.

(Table value of F on 2, 12 d. f. = 3.88)

- Q.3 (B) Write a short note on basic principles of ANOVA. (5)

- Q.4 Explain the significance and types of research report. Write a short note on (18)  
synopsis of research report.

**OR**

- Q.4 Discuss the precautions and limitations of research report. (18)

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(1)