

PARUL UNIVERSITY
FACULTY OF APPLIED SCIENCE
M.Sc. Summer 2018-19 Examination

Semester: II
Subject Code: 11209154
Subject Name: Research Methods and Statistics-II

Date: 05/04/2019
Times: 10:30am to 1:00pm
Total Marks: 60

Instructions:

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.
4. Start new question on new page.

- Q.1. A) Essay type (08)**
Discuss different types of research in detail.
- Q.1. B) Answer the following questions (Any two)**
- (a) Short note on process of Research Problem identification. (04)
 - (b) write a note on Basic concept of population research. (04)
 - (c) Short note on quasi-experiment. (04)
- Q.2. A) Answer the following questions.**
- (a) Difference between Dependent and independent variables. (04)
 - (b) Discuss strategies of Setting up research objectives. (04)
- Q.2. B) Answer the following questions (Any two)**
- (a) Short note on longitudinal experimental design. (03)
 - (b) Short note on cross sectional experimental design. (03)
 - (c) Short note on Interview methods. (03)
- Q.3. A) Essay type (08)**
Discuss Sampling methods and sampling errors in detail
- Q.3. B) Answer the following questions (Any two)**
- (a) Short note Qualitative data analysis through Participatory methods (04)
 - (b) Short note on Qualitative data analysis through Observation methods (04)
 - (c) Short note data analysis by Focus group discussions (04)
- Q.4. A) Answer the following questions.**
- (a) Short note on students t test. (04)
 - (b) Short note on chi square test. (04)
- Q.4. B) Answer the following questions (Any two)**
- (a) Short note on regression. (03)
 - (b) Short note on graphical representation of data. (03)
 - (c) Short note on tabular representation of data. (03)