

M.Sc. (Ag.) Examination, 2018
Semester-II
Agricultural Extension
Course- EXT-507
(Research Methods in Behavioural Sciences)

Time: Three Hours

Full Mark: 50

Questions are of value as indicated in the margin

Answer **any five** questions

1. Enumerate the contains of a research design. Discuss the important informal experimental design. 4+6=10
 2. Why probability sampling is generally preferred in comparison to non-probability sampling? Explain the procedure of selecting a simple random sample. 4+6=10
 3. Elucidate the term social research. What difference does it make whether a researcher measure the variables in terms of nominal, ordinal, interval or ratio scale? Explain with examples. 3+7=10
 4. Explain the meaning of the following sampling fundamentals. 2½×4=10
 - (i) Sampling strategy
 - (ii) Sampling frame
 - (iii) Sampling statistics
 - (iv) Population parameter
 5. What is depth interview? Explain the difference between collection of data through questionnaires and schedules. 4+6=10
 6. The procedure of testing hypothesis requires a researcher to adopt several steps. Describe in brief all such steps. 10
 7. Elucidate the term variable. Explain qualitative and active variables with examples. 3+7=10
 8. Conceptualise the term reliability. Discuss the steps involved in measuring validity coefficient. 4+6=10
 9. Write short notes (**any four**): 2½×4=10
 - (i) Proposition
 - (ii) Deductive method
 - (iii) Size of sample
 - (iv) Action research
 - (v) Snow-ball sampling
 - (vi) Semi popular journal
 - (vii) Double-barreled question or schedule
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