

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

M.Sc.(ATHM) (2015 & Onward) (Sem.-4)

RESEARCH METHODOLOGY

Subject Code : PTA-202

Paper ID : [A2500]

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A

Q1 Answer the following :

- i. What is applied research?
- ii. Differentiate exploratory and descriptive research.
- iii. Define sample.
- iv. What is questioning error?
- v. Define alternative hypothesis.
- vi. What are ordinal variables?
- vii. Define Sociometry.
- viii. Define pilot study.
- ix. Differentiate references and bibliography.
- x. What are various kinds of research reports?

SECTION-B

- Q2 Briefly describe various kinds of experimental research designs.
- Q3 How will you classify sampling techniques? Briefly describe each sampling technique.
- Q4 Briefly describe the steps involved in research process.
- Q5 How will you classify observation methods? Write in detail about each method of observation.
- Q6 Briefly describe research report format.

SECTION-C

- Q7 What are the various considerations to be kept in mind while question wording and ordering?
- Q8 Write short notes on :
- a) Pretesting of questionnaire.
 - b) Classification and codification of data.
- Q9 Briefly discuss various kinds of sampling and non-sampling errors.