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Total No. of Pages : 02

Total No. of Questions : 09

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

**RESEARCH METHODOLOGY**

Subject Code : PTA-202

M.Code : 71350

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 Explain the following :**

- a) Research
- b) Footnotes
- c) Hypothesis
- d) Population
- e) Pilot study
- f) Exploratory research
- g) Sampling error
- h) Conclusion
- i) Skewness
- j) Coding of data

### SECTION-B

- Q2. Differentiate between pure research and applied research with relevant examples.
- Q3. Write in detail about **any one** type of report.
- Q4. Throw light on dependent and independent variable through appropriate examples.
- Q5. Discuss the merits and demerits of probability sampling.
- Q6. Explain the various modes of collecting secondary data for research.

### SECTION-C

- Q7. Define research problem. Describe the steps involved in a research.
- Q8. Explain the following methods in detail:
  - a. Observation method
  - b. Interview method
- Q9. Describe the layout of a report.

**NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.**