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**P.G. DIPLOMA (PGDEDS) / M.A. IN
EXTENSION AND DEVELOPMENT STUDIES
(MAEDS)**

Term-End Examination

December, 2015

**MEDS-006 : RESEARCH METHODS IN
EXTENSION AND DEVELOPMENT STUDIES**

Time : 3 hours

Maximum Marks : 100

Note : (i) Answer *any five* questions.

(ii) All questions carry 20 marks each.

1. What are different methods of development research ? Explain Direct Observation method and Interview method in detail. **20x1=20**
2. Describe in detail different types of research design. **20x1=20**
3. Differentiate between **any two** of the following :
 - (a) Quantitative research and qualitative research. **10x2=20**
 - (b) Reliability and Validity.
 - (c) Nominal scale and Ordinal scale.
4. Write short notes on **any two** of the following :
 - (a) Key principles of development research.
 - (b) Sources of errors in measurements. **10x2=20**
 - (c) Type (I) and Type (II) errors.

5. What is Correlation ? How do you calculate correlation ? What are the properties of correlation coefficient ? 20x1=20
6. Explain in detail the various quantitative data gathering tools. 20x1=20
7. What do you understand by Sampling ? Explain different types of probability sampling techniques. 20x1=20
8. The following are the monthly earnings of technicians before and after undergoing a training programme : 20x1=20

S. No	Earnings before training (in '00 ₹)	Earnings after training (in '00 ₹)
1	15	20
2	17	19
3	12	18
4	18	22
5	16	20
6	13	19
7	15	21
8	17	23
9	19	24
10	18	24

Determine using paired 't' test if the training programme had any effect on the earnings of the technicians.
