

**MASTER OF ARTS (EDUCATION)**

**Term-End Examination**

**June, 2014**

**MES-016 : EDUCATIONAL RESEARCH**

*Time : 3 hours*

*Maximum Weightage : 70%*

*Note : (i) All questions are compulsory.*

*(ii) All questions are of equal weightage.*

1. Answer the following question in about 600 words :

What do you mean by validity of Experimental Design in a research ? Describe the various threats to internal validity in experimental research.

**OR**

Differentiate between qualitative and quantitative research. Briefly describe the verification procedures employed for studying trustworthiness of qualitative research.

2. Answer the following question in about 600 words :

List out the characteristics of a good (usable) hypothesis. Describe the various types of hypothesis with proper examples.

**OR**

State the purposes for writing a research report. Explain in brief the different types of research reports.

3. Answer **any four** of the following questions in about **150** words each :
- (a) Differentiate between stratified random sampling and cluster sampling with examples.
  - (b) Write a short note on meaning and nature of descriptive survey.
  - (c) State the assumptions for the use of a parametric test.
  - (d) Mention the limitations of positivistic paradigm.
  - (e) Differentiate between a dissertation and a research journal.
  - (f) Write a short note on Likert scale.

4. Answer the following question in about **600** words :

A science teacher wanted to know the relative effectiveness of lecture cum demonstration method over traditional lecture method. He divided his class into two equal random groups A and B and taught group A by lecture cum demonstration method and group B by lecture method. After teaching three months he administered an achievement test to both the groups

	Group A	Group B
Mean	43	30
SD	8	7
N	65	65

From the data presented above find out the effectiveness of one method of teaching over the other.

Table C : Table of Critical Values of t.

	Degrees of Freedom		Level of Significance		
	0.10	0.05	0.02	0.01	
1	6.34	12.71	31.82	63.66	
2	2.92	4.30	6.96	9.62	
3	2.35	3.18	4.54	5.84	
4	2.13	2.78	3.75	4.60	
5	2.02	2.57	3.36	4.03	
6	1.94	2.45	3.14	3.71	
7	1.90	2.36	3.00	3.50	
8	1.86	2.31	2.90	3.36	
9	1.83	2.26	2.82	3.25	
10	1.81	2.23	2.76	3.17	
11	1.80	2.20	2.72	3.11	
12	1.78	2.18	2.68	3.06	
13	1.77	2.16	2.65	3.01	
14	1.76	2.14	2.62	2.98	
15	1.75	2.13	2.60	2.95	
16	1.75	2.12	2.58	2.92	
17	1.74	2.11	2.57	2.90	
18	1.73	2.10	2.55	2.88	
19	1.73	2.09	2.54	2.86	
20	1.72	2.09	2.53	2.84	
21	1.72	2.08	2.52	2.83	
22	1.72	2.07	2.51	2.82	
23	1.71	2.07	2.50	2.81	
24	1.71	2.06	2.49	2.80	
25	1.71	2.06	2.48	2.79	
26	1.71	2.06	2.48	2.78	
27	1.70	2.05	2.47	2.77	
28	1.70	2.05	2.47	2.76	
29	1.70	2.04	2.46	2.76	
30	1.70	2.04	2.46	2.75	
35	1.69	2.03	2.44	2.72	
40	1.68	2.02	2.42	2.71	
45	1.68	2.02	2.41	2.69	
50	1.68	2.01	2.40	2.68	
60	1.67	2.00	2.39	2.66	
70	1.67	2.00	2.38	2.65	
80	1.66	1.99	2.38	2.64	
90	1.66	1.99	2.37	2.63	
100	1.66	1.98	2.36	2.63	
125	1.66	1.98	2.36	2.62	
150	1.66	1.98	2.35	2.61	
200	1.65	1.97	2.35	2.60	
300	1.65	1.97	2.34	2.59	
400	1.65	1.97	2.34	2.59	
500	1.65	1.96	2.33	2.59	
1000	1.65	1.96	2.33	2.58	
	1.65	1.96	2.33	2.58	