

MASTER OF ARTS (EDUCATION)

Term-End Examination

December, 2013

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 :

Differentiate between personal knowledge and scientific knowledge. Briefly discuss the various sources of acquiring knowledge in education.

OR

Discuss the criteria of selecting a good tool for data collection. Describe the different procedures of estimating reliability of a tool.

2. Answer the following question in about 600 words :

Briefly state the relevance of historical studies in education. Explain the ways to check the authenticity of data sources in historical research.

OR

What are the main objectives of an experimental design ? Briefly discuss any two designs of true experimental design with their main strengths and limitations.

3. Answer **any four** of the following questions in about **150** words each :
- (a) Describe major forms of formulating research questions with example.
 - (b) Explain briefly the need and importance of references and footnotes.
 - (c) State the meaning of Data Reduction and Data Display in qualitative research.
 - (d) Discuss the uses of Median in Educational Research.
 - (e) Describe main features of Case Study as a Method of Research.
 - (f) State main components of a research proposal.

APPENDIX

Table A : Fractional parts of the total area (taken, as 10,000) under the normal probability curve, corresponding to distances on the base line between the mean and successive points laid off from the mean in units of standard deviation.

x	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
0.0	0000	0040	0080	0120	0160	0199	0239	0278	0316	0359
0.1	0398	0438	0478	0517	0557	0596	0636	0675	0714	0753
0.2	0793	0832	0871	0910	0948	0987	1026	1064	1103	1141
0.3	1179	1217	1255	1293	1331	1368	1406	1443	1480	1517
0.4	1554	1591	1628	1664	1700	1736	1772	1808	1844	1879
0.5	1915	1950	1985	2019	2054	2088	2123	2157	2190	2224
0.6	2257	2291	2324	2357	2389	2422	2454	2486	2517	2549
0.7	2580	2611	2642	2673	2704	2734	2764	2794	2823	2852
0.8	2881	2910	2939	2967	2995	3023	3051	3078	3106	3133
0.9	3159	3186	3212	3238	3264	3290	3315	3340	3365	3389
1.0	3413	3438	3461	3485	3508	3531	3554	3577	3599	3621
1.1	3643	3665	3686	3708	3729	3749	3770	3790	3810	3830
1.2	3849	3869	3888	3907	3925	3944	3962	3980	3997	4015
1.3	4032	4049	4066	4082	4099	4115	4131	4147	4162	4177
1.4	4192	4207	4222	4236	4251	4265	4279	4292	4306	4319
1.5	4332	4345	4357	4370	4383	4396	4408	4418	4429	4441
1.6	4452	4463	4474	4484	4495	4505	4515	4525	4535	4545
1.7	4554	4564	4573	4582	4591	4599	4608	4616	4625	4633
1.8	4641	4649	4656	4664	4671	4678	4686	4693	4699	4706
1.9	4713	4719	4726	4732	4738	4744	4750	4756	4761	4767
2.0	4772	4778	4783	4788	4793	4798	4803	4808	4812	4817
2.1	4821	4826	4830	4834	4838	4842	4846	4850	4854	4857
2.2	4861	4864	4868	4871	4875	4878	4881	4884	4887	4890
2.3	4893	4896	4898	4901	4904	4906	4908	4911	4913	4916
2.4	4918	4920	4922	4925	4927	4929	4931	4932	4934	4936
2.5	4938	4940	4941	4943	4945	4946	4948	4949	4951	4952
2.6	4953	4955	4956	4957	4959	4960	4961	4962	4963	4964
2.7	4965	4966	4967	4968	4969	4970	4971	4972	4973	4974
2.8	4974	4975	4976	4977	4977	4978	4979	4979	4980	4981
2.9	4981	4982	4982	4983	4984	4984	4985	4985	4986	4986
3.0	4986.5	4986.9	4987.4	4987.8	4988.2	4988.6	4988.9	4989.3	4989.7	4990.0
3.1	4990.3	4990.6	4991.0	4991.3	4991.6	4991.8	4992.1	4992.4	4992.6	4992.9
3.2	4993.129									
3.3	4993.166									
3.4	4993.631									
3.5	4993.674									
3.6	4993.469									
3.7	4993.922									
3.8	4993.277									
3.9	4994.519									
4.0	4994.683									
4.5	4995.966									
5.0	4999.9871233									

Table B : Ordinates of the normal probability curve expressed as fractional parts of the mean ordinate, Y.

x	0	1	2	3	4	5	6	7	8	9
0.0	00000	99995	99980	99955	99920	99875	99820	99755	99685	99596
0.1	99501	99396	99283	99158	99025	98881	98728	98565	98393	98211
0.2	98020	97819	97609	97390	97161	96923	96676	96420	96156	95882
0.3	95600	95309	95010	94702	94387	94055	93723	93382	93024	92677
0.4	92312	91999	91558	91169	90774	90371	89961	89543	89119	88688
0.5	88250	87805	87353	86896	86432	85962	85488	85006	84519	84060
0.6	83527	83023	82514	82010	81481	80957	80429	79896	79359	78817
0.7	78270	77721	77167	76610	76048	75484	74916	74342	73769	73193
0.8	72615	72033	71448	70861	70272	69681	69087	68493	67896	67298
0.9	66689	66097	65494	64891	64287	63683	63077	62472	61865	61259
1.0	60653	60047	59440	58834	58228	57623	57017	56414	55810	55209
1.1	54607	54007	53409	52812	52214	51629	51027	50437	49848	49260
1.2	48675	48092	47511	46933	46357	45783	45212	44644	44078	43516
1.3	42956	42399	41845	41294	40747	40202	39661	39123	38589	38058
1.4	37521	37007	36487	35971	35459	34950	34445	33944	33447	32954
1.5	32465	31980	31500	31023	30550	30082	29618	29158	28702	28251
1.6	27804	27361	26923	26489	26059	25634	25213	24797	24385	23978
1.7	23575	23176	22782	22392	22008	21627	21251	20879	20511	20148
1.8	19790	19436	19086	18741	18400	18064	17732	17404	17081	16762
1.9	16448	16137	15831	15530	15232	14939	14650	14364	14083	13806
2.0	13534	13265	13000	12749	12483	12230	11981	11737	11496	11259
2.1	11025	10795	10570	10347	10129	9914	9702	9495	9290	9090
2.2	8892	8698	8507	8320	8136	7956	7778	7604	7433	7265
2.3	7199	6999	6780	6624	6471	6321	6174	6029	5888	5750
2.4	5614	5481	5350	5222	5096	4973	4852	4734	4618	4505
2.5	44394	44285	44179	44074	43972	43873	43775	43680	43586	43494
2.6	43405	43317	43232	43148	43066	42986	42908	42831	42757	42684
2.7	42612	42542	42474	42408	42343	42280	42218	42157	42098	42040
2.8	41984	41929	41876	41823	41772	41723	41674	41627	41581	41536
2.9	41492	41449	41408	41367	41328	41288	41252	41215	41179	41145
3.0	41111	40819	40598	40432	40309	40219	40153	40106	40075	40050
4.0	00034	00022	00015	00010	00006	00004	00003	00002	00001	00001
5.0	00000									